



# MULTI-FUNCTIONAL PAR SPIKE UNLABELED IN NONANE

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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ES-5521

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixtures  
Product name : MULTI-FUNCTIONAL PAR SPIKE UNLABELED IN NONANE  
Product code : ES-5521

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Main use category : Professional use  
Industrial/Professional use spec : For professional use only

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Cambridge Isotope Laboratories, Inc.  
50 Frontage Road  
Andover, MA 01810  
USA

USA: 1-800-322-1174 Int: 1-978-749-8000  
[cilsales@isotope.com](mailto:cilsales@isotope.com) [www.isotope.com](http://www.isotope.com)

#### Emergency telephone number

Emergency numbers:

Chemtrec: 1-800-424-9300 (24 hours)  
International: 1-703-741-5970 (24 hours)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 2	H225
Acute Tox. 4 (Inhalation)	H332
Skin Irrit. 2	H315
Eye Irrit. 2	H319
Muta. 1B	H340
Carc. 1A	H350
STOT SE 3	H336
Asp. Tox. 1	H304
Aquatic Chronic 2	H411

Full text of hazard classes and H-statements : see section 16

##### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Carc.Cat.1; R45  
Carc.Cat.1; R49  
Muta.Cat.2; R46  
F; R11  
Xn; R20  
Xn; R65  
N; R51/53

Full text of R-phrases: see section 16

##### GHS-US classification

Flam. Liq. 1	H224
Acute Tox. 4 (Inhalation)	H332
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
Muta. 1B	H340
Carc. 1A	H350

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STOT SE 3                    H336  
Asp. Tox. 1                H304  
Aquatic Acute 2            H401  
Aquatic Chronic 2        H411

Full text of H statements : see section 16

### Adverse physicochemical, human health and environmental effects

Central Nervous System. Flammable liquid and vapor. May cause drowsiness or dizziness. Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May be fatal if swallowed and enters airways.

## 2.2. Label elements

### Labeling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



Signal word (CLP) :

Danger

Hazardous ingredients :

100% BENZENE UNLABELED

Hazard statements (CLP) :

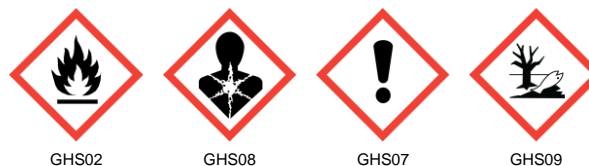
H225 - Highly flammable liquid and vapor  
H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H332 - Harmful if inhaled  
H336 - May cause drowsiness or dizziness  
H340 - May cause genetic defects (in contact with skin, if inhaled, if swallowed)  
H350 - May cause cancer (in contact with skin, if inhaled, if swallowed)  
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (CLP) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 - Keep container tightly closed.  
P240 - Ground/bond container and receiving equipment.  
P241 - Use explosion-proof electrical, lighting, ventilating equipment  
P261 - Avoid breathing fume, mist, spray, vapors.  
P264 - Wash both hands thoroughly after handling.  
P271 - Use only outdoors or in a well-ventilated area.  
P273 - Avoid release to the environment.

### GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H224 - Extremely flammable liquid and vapour  
H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H332 - Harmful if inhaled  
H336 - May cause drowsiness or dizziness  
H340 - May cause genetic defects (Dermal, Inhalation, oral)  
H350 - May cause cancer (Dermal, Inhalation, oral)  
H401 - Toxic to aquatic life  
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (GHS-US) :

P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking.  
P233 - Keep container tightly closed.  
P240 - Ground/Bond container and receiving equipment  
P241 - Use explosion-proof electrical, lighting, ventilating equipment  
P242 - Use only non-sparking tools.  
P243 - Take precautionary measures against static discharge.  
P261 - Avoid breathing fume, mist, spray, vapors.

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P264 - Wash Both hands thoroughly after handling.  
P271 - Use only outdoors or in a well-ventilated area.  
P273 - Avoid release to the environment.  
P280 - Wear eye protection, face protection, protective clothing, protective gloves.  
P301+P310 - If swallowed: Immediately call a doctor  
P302+P352 - If on skin: Wash with plenty of water  
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P308+P313 - If exposed or concerned: Get medical advice/attention.  
P312 - Call a doctor if you feel unwell  
P331 - Do NOT induce vomiting.  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P362 - Take off contaminated clothing and wash before reuse.  
P370+P378 - In case of fire: Use Alcohol resistant foam, Carbon dioxide, Dry chemical, Water spray to extinguish.  
P391 - Collect spillage.  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P403+P235 - Store in a well-ventilated place. Keep cool.  
P405 - Store locked up.  
P501 - Dispose of contents/container to Comply with applicable regulations

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Directive 67/548/EEC
N-NONANE UNLABELED	(CAS-No.) 111-84-2 (EC-No.) 203-913-4	92.3995943	R10 Xn; R20 Xn; R65 Xi; R36/38 R67
ISOOCTANE UNLABELED	(CAS-No.) 540-84-1 (EC-No.) 208-759-1 (EC Index-No.) 601-009-00-8 (REACH-no) 01-2119457965-22	5.2342121	Xi; R38 N; R50/53 R67 F; R11 Xn; R65
100% BENZENE UNLABELED	(CAS-No.) 71-43-2 (EC-No.) 200-753-7 (EC Index-No.) 601-020-00-8 (REACH-no) 01-2119447106-44	2.3625241	F; R11 Xn; R65 Xi; R38 Carc.Cat.1; R45 Carc.Cat.1; R49 Muta.Cat.2; R46
FLUORANTHENE UNLABELED	(CAS-No.) 206-44-0 (EC-No.) 205-912-4 (Unlabeled)	0.0002779	Xn; R22 N; R50/53
2,2',4,4',5,5'-HEXABDE (BDE-153) UNLABELED	(CAS-No.) 68631-49-2	0.0000556	Carc.Cat.1; R45 Carc.Cat.1; R49 Xi; R41 Xi; R37/38 R43 N; R51/53
2,2',4,4',6,6'-HEXABDE (BDE-155) UNLABELED	(CAS-No.) 35854-94-5	0.0000556	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R22 Xi; R41 Xi; R37 Xi; R38 N; R51/53

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Name	Product identifier	%	Classification according to Directive 67/548/EEC
2,2',3,4,4',5',6-HEPTABDE (BDE-183) UNLABELED	(CAS-No.) 207122-16-5	0.0000556	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R22 Xi; R41 Xi; R37 Xi; R38 N; R51/53
2,2',4,4',5,6'-HEXABDE (BDE-154) UNLABELED	(CAS-No.) 207122-15-4	0.0000556	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R22 Xi; R41 Xi; R37 Xi; R38 N; R51/53
2,2',3,4,4',5,6-HEPTABDE (BDE-181) UNLABELED	(CAS-No.) 189084-67-1	0.0000556	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R22 Xi; R41 Xi; R37 Xi; R38 N; R51/53
2,3,4,4',5,6-HEXABDE (BDE-166) UNLABELED	(CAS-No.) 189084-58-0	0.0000556	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R22 Xi; R41 Xi; R37 Xi; R38 N; R51/53
2,2',3,4,4',5,5',6-OCTABDE (BDE-203) UNLABELED	(CAS-No.) 337513-72-1	0.0000556	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R22 Xi; R41 Xi; R37 Xi; R38 N; R51/53
2,3,3',4,4',5,6-HEPTABDE (BDE-190) UNLABELED	(CAS-No.) 189084-68-2	0.0000556	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R22 Xi; R41 Xi; R37 Xi; R38 N; R51/53
2,2',3,3',4,4',5,6,6'-NONABDE (BDE-207) UNLABELED	(CAS-No.) 437701-79-6	0.0000556	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R22 Xi; R41 Xi; R37 Xi; R38 N; R51/53
2,2',3,3',4,4',5,5',6-NONABDE (BDE-206) UNLABELED	(CAS-No.) 63387-28-0	0.0000556	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R22 Xi; R41 Xi; R37 Xi; R38 N; R51/53
DECABDE (BDE-209) UNLABELED substance listed as REACH Candidate (Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE))	(CAS-No.) 1163-19-5 (EC-No.) 214-604-9	0.0000556	Xn; R20/21/22
2,3,3',4,4',5,5',6-OCTABDE (BDE-205) UNLABELED	(CAS-No.) 446255-56-7	0.0000556	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R22 Xi; R41 Xi; R37 Xi; R38 N; R51/53
3,3',4,4',5,5'-HEXACB UNLABELED	(CAS-No.) 32774-16-6 (EC Index-No.) 602-039-00-4	0.0000278	N; R50/53 Xn; R22
3,3',4,4',5-PENTACB UNLABELED	(CAS-No.) 57465-28-8 (EC Index-No.) 602-039-00-4	0.0000278	R33

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3,3',4,4'-TETRACB UNLABELED	(CAS-No.) 32598-13-3 (EC Index-No.) 602-039-00-4	0.0000278	R33 N; R50/53
3,4,4',5-TETRACB UNLABELED	(CAS-No.) 70362-50-4 (EC Index-No.) 602-039-00-4	0.0000278	N; R50/53 R33
DECACHLOROBIPHENYL UNLABELED	(CAS-No.) 2051-24-3 (EC-No.) 218-115-1 (EC Index-No.) 602-039-00-4	0.0000278	Carc.Cat.1; R45 Carc.Cat.1; R49 Repr.Cat.1; R60 Repr.Cat.1; R61 Xn; R20/21/22 Xi; R38 N; R50/53
3,4,4'-TRICB UNLABELED	(CAS-No.) 38444-90-5	0.0000278	Xn; R22 Xi; R41 N; R50/53
2,2',6,6'-TETRACB UNLABELED	(CAS-No.) 15968-05-5 (Unlabeled)	0.0000278	T+; R28 N; R50/53
2,3,3',4,4',5,5'-HEPTACB UNLABELED	(CAS-No.) 39635-31-9 (EC Index-No.) 602-039-00-4	0.0000278	R33
2,3,3',4,4',5-HEXACB UNLABELED	(CAS-No.) 38380-08-4 (EC Index-No.) 602-039-00-4	0.0000278	R33
2',3,4,4',5-PENTACB UNLABELED	(CAS-No.) 65510-44-3 (EC Index-No.) 602-039-00-4	0.0000278	R33
2,3',4,4',5,5'-HEXACB UNLABELED	(CAS-No.) 52663-72-6 (EC Index-No.) 602-039-00-4	0.0000278	R33
2,3,3',4,4',5'-HEXACB UNLABELED	(CAS-No.) 69782-90-7 (EC Index-No.) 602-039-00-4	0.0000278	R33
2,3,3',4,4'-PENTACB UNLABELED	(CAS-No.) 32598-14-4 (EC Index-No.) 602-039-00-4	0.0000278	Xn; R22 R33 N; R50/53
2,3,4,4',5-PENTACB UNLABELED	(CAS-No.) 74472-37-0 (EC Index-No.) 602-039-00-4	0.0000278	Xn; R22 N; R50/53
2,3',4,4',5-PENTACB UNLABELED	(CAS-No.) 31508-00-6 (EC-No.) 215-648-1 (EC Index-No.) 602-039-00-4	0.0000278	Xn; R22
2-MONOCB UNLABELED	(CAS-No.) 2051-60-7 (EC-No.) 218-125-6	0.0000278	Xn; R48/20
4-MONOCB UNLABELED	(CAS-No.) 2051-62-9 (EC-No.) 218-127-7	0.0000278	Xn; R48/20
4,4'-DICB UNLABELED	(CAS-No.) 2050-68-2 (EC-No.) 218-095-4	0.0000278	N; R50/53
2,2',4,6,6'-PENTACB UNLABELED	(CAS-No.) 56558-16-8	0.0000278	N; R50/53
2,2',4,4',6,6'-HEXACB UNLABELED	(CAS-No.) 33979-03-2	0.0000278	Not classified
2,2',3,4',5,6,6'-HEPTACB UNLABELED	(CAS-No.) 74487-85-7	0.0000278	Xn; R20 Xn; R48/20 N; R50/53
2,2',3,3',4,4',5,5',6-NONACB UNLABELED	(CAS-No.) 40186-72-9	0.0000278	R33
2,3,3',4,4',5,5',6-OCTACB UNLABELED	(CAS-No.) 74472-53-0	0.0000278	R33
2,2',3,3',4,5,5',6,6'-NONACB UNLABELED	(CAS-No.) 52663-77-1 (EC Index-No.) 602-039-00-4	0.0000278	R33
2,3',4,4',6-PENTABDE (BDE-119) UNLABELED	(CAS-No.) 189084-66-0	0.0000278	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R22 Xi; R41 Xi; R37 Xi; R38 N; R51/53
3,3',4,4',5-PENTABDE (BDE-126) UNLABELED	(CAS-No.) 366791-32-4	0.0000278	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R22 Xi; R41 Xi; R37 Xi; R38 N; R51/53

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4,4'-DIBDE (BDE-15) UNLABELED	(CAS-No.) 2050-47-7 (EC-No.) 218-090-7	0.0000278	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R22 Xi; R41 Xi; R37 Xi; R38 N; R51/53
2,2',4'-TRIBDE (BDE-17) UNLABELED	(CAS-No.) 147217-75-2	0.0000278	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R22 Xi; R41 Xi; R37 Xi; R38 N; R51/53
2,4,4'-TRIBDE (BDE-28) UNLABELED	(CAS-No.) 41318-75-6	0.0000278	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R22 Xi; R41 Xi; R37 Xi; R38 N; R51/53
4-MONOBDE (BDE-3) UNLABELED	(CAS-No.) 101-55-3	0.0000278	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R22 Xi; R41 Xi; R37 Xi; R38 N; R51/53
2,3',4',6'-TETRABDE (BDE-71) UNLABELED	(CAS-No.) 189084-62-6	0.0000278	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R22 Xi; R41 Xi; R37 Xi; R38 N; R51/53
2,3',4,4'-TETRABDE (BDE-66) UNLABELED	(CAS-No.) 189084-61-5	0.0000278	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R22 Xi; R41 Xi; R37 Xi; R38 N; R51/53
2,2',4,5'-TETRABDE (BDE-49) UNLABELED	(CAS-No.) 243982-82-3	0.0000278	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R22 Xi; R41 Xi; R37 Xi; R38 N; R51/53
2,2',4,4'-TETRABDE (BDE-47) UNLABELED	(CAS-No.) 5436-43-1 (EC-No.) 208-759-1 (EC Index-No.) 601-009-00-8	0.0000278	Xn; R22 Xi; R41 Carc.Cat.1; R45 Carc.Cat.1; R49 Xi; R37 Xi; R38 N; R51/53
2,4-DIBDE (BDE-7) UNLABELED	(CAS-No.) 171977-44-9	0.0000278	Xn; R22 Xi; R41 Xi; R37 Xi; R38 N; R51/53
2,2',3,4,4'-PENTABDE (BDE-85) UNLABELED	(CAS-No.) 182346-21-0	0.0000278	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R22 Xi; R41 Xi; R37 Xi; R38 N; R51/53

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3,3',4,4'-TETRABDE (BDE-77) UNLABELED	(CAS-No.) 93703-48-1	0.0000278	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R22 Xi; R41 Xi; R37 Xi; R38 N; R51/53
2,2',4,4',5-PENTABDE (BDE-99) UNLABELED	(CAS-No.) 60348-60-9	0.0000278	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R22 Xi; R41 Xi; R37 Xi; R38 N; R51/53
2,2'-DICB UNLABELED	(CAS-No.) 13029-08-8	0.0000278	Xn; R48/20/21/22 N; R50/53 R33
2,2',6-TRICB UNLABELED	(CAS-No.) 38444-73-4	0.0000278	Xn; R48/20/21/22 Xi; R41 N; R50/53 R33
2,2',3,3',5,5',6,6'-OCTACB UNLABELED	(CAS-No.) 2136-99-4	0.0000278	Xn; R48/20/21/22 N; R50/53 R33
1,2,3,4-TCDD	(CAS-No.) 1746-01-6	0.0000278	Muta.Cat.3; R68 T+; R27 Xn; R65 R53
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	(CAS-No.) 40321-76-4	0.0000278	Xn; R22 Xn; R65 R53
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	(CAS-No.) 39227-28-6	0.0000278	Xn; R21/22 Xn; R65 R53
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	(CAS-No.) 19408-74-3	0.0000278	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R20/21/22 R53
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	(CAS-No.) 35822-46-9	0.0000278	Xn; R20/21/22 R53
1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN	(CAS-No.) 3268-87-9	0.0000278	Xn; R20/21/22 R53
2,3,7,8-TETRACHLORODIBENZOFURAN	(CAS-No.) 51207-31-9	0.0000278	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R20/21/22 R53
1,2,3,7,8-PENTACHLORODIBENZOFURAN	(CAS-No.) 57117-41-6	0.0000278	Xn; R22 Xn; R65 R53
2,3,4,7,8-PENTACHLORODIBENZOFURAN	(CAS-No.) 57117-31-4	0.0000278	Xn; R22 Xn; R65 R53
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	(CAS-No.) 70648-26-9	0.0000278	Xn; R21/22 Xn; R65 R53
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	(CAS-No.) 57117-44-9	0.0000278	Xn; R21/22 Xn; R65 R53
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	(CAS-No.) 72918-21-9	0.0000278	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R20/21/22 R53

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2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	(CAS-No.) 60851-34-5	0.0000278	Xn; R21/22 Xn; R65 R53
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	(CAS-No.) 67562-39-4	0.0000278	Xn; R20/21/22 R53
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	(CAS-No.) 55673-89-7	0.0000278	Xn; R20/21/22 R53
2,2',4,4',6-PENTABDE (BDE-100) UNLABELED	(CAS-No.) 189084-64-8 (Unlabeled)	0.0000278	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R22 Xi; R41 Xi; R37 Xi; R38 N; R51/53
BENZO[A]PYRENE UNLABELED substance listed as REACH Candidate (Benzo[def]chrysene)	(CAS-No.) 50-32-8 (EC-No.) 200-028-5 (EC Index-No.) 601-032-00-3	0.0000278	Carc.Cat.1; R45 N; R50/53
BENZO[B]FLUORANTHENE UNLABELED	(CAS-No.) 205-99-2 (EC-No.) 205-911-9 (EC Index-No.) 601-034-00-4	0.0000278	Carc.Cat.1; R45 N; R50/53
ACENAPHTHYLENE UNLABELED	(CAS-No.) 208-96-8 (EC-No.) 205-917-1 (EC Index-No.)	0.0000278	Xn; R22 Xi; R36/37/38
ANTHRACENE UNLABELED substance listed as REACH Candidate (Anthracene)	(CAS-No.) 120-12-7 (EC-No.) 204-371-1	0.0000278	Xi; R36/37/38 N; R50/53
BENZ[A]ANTHRACENE UNLABELED	(CAS-No.) 56-55-3 (EC-No.) 200-280-6 (EC Index-No.) 601-033-00-9	0.0000278	Carc.Cat.1; R45 Carc.Cat.1; R49 N; R50/53
BENZO[K]FLUORANTHENE UNLABELED	(CAS-No.) 207-08-9 (EC-No.) 205-916-6 (EC Index-No.) 601-036-00-5	0.0000278	Carc.Cat.1; R45 Xi; R36/38 N; R50/53
BENZO[GHI]PERYLENE UNLABELED	(CAS-No.) 191-24-2 (EC-No.) 205-883-8	0.0000278	N; R50/53
CHRYSENE UNLABELED	(CAS-No.) 218-01-9 (EC-No.) 205-923-4 (EC Index-No.) 601-048-00-0	0.0000278	Carc.Cat.2; R45 N; R50/53 Muta.Cat.3; R68
FLUORENE UNLABELED	(CAS-No.) 86-73-7 (EC-No.) 201-695-5	0.0000278	Carc.Cat.1; R45 Carc.Cat.1; R49 N; R50/53
INDENO[1,2,3-CD]PYRENE UNLABELED	(CAS-No.) 193-39-5 (EC-No.) 205-893-2	0.0000278	Carc.Cat.3; R40
NAPHTHALENE UNLABELED	(CAS-No.) 91-20-3 (EC-No.) 202-049-5 (EC Index-No.) 601-052-00-2	0.0000278	F; R11 N; R50/53 Xn; R22 Carc.Cat.3; R40
PENTACHLOROBENZENE UNLABELED	(CAS-No.) 608-93-5 (EC-No.) 210-172-0 (EC Index-No.) 602-074-00-5	0.0000278	Xn; R22 N; R50/53
HEXACHLOROBENZENE UNLABELED	(CAS-No.) 118-74-1 (EC-No.) 204-273-9 (EC Index-No.) 602-065-00-6	0.0000278	Xn; R20 N; R51/53
LINDANE UNLABELED	(CAS-No.) 58-89-9 (EC-No.) 200-401-2 (EC Index-No.) 602-043-00-6	0.0000278	T; R25 Xn; R20/21 Xn; R48/22 R64 N; R50/53
ALPHA-BHC UNLABELED	(CAS-No.) 319-84-6 (EC-No.) 206-270-8 (EC Index-No.) 602-042-00-0	0.0000278	T; R25 N; R50/53 Xn; R21 Carc.Cat.3; R40
DELTA-BHC UNLABELED	(CAS-No.) 319-86-8 (EC-No.) 206-272-9 (EC Index-No.) 602-042-00-0	0.0000278	Xn; R21 T; R25 N; R51/53



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Name	Product identifier	%	Classification according to Directive 67/548/EEC
HEPTACHLOR UNLABELED	(CAS-No.) 76-44-8 (EC-No.) 200-962-3 (EC Index-No.) 602-046-00-2	0.0000278	T+; R27/28 N; R50/53 Carc.Cat.3; R40
BETA-BHC UNLABELED	(CAS-No.) 319-85-7 (EC-No.) 206-271-3 (EC Index-No.) 602-042-00-0	0.0000278	N; R51/53
CIS-CHLORDANE(ALPHA) UNLABELED	(CAS-No.) 5103-71-9 (EC-No.) 225-825-5	0.0000278	Xn; R22 N; R50/53
TRANS-NONACHLOR UNLABELED	(CAS-No.) 39765-80-5	0.0000278	Xn; R22 Xi; R36/37/38 N; R50/53
CIS-NONACHLOR UNLABELED	(CAS-No.) 5103-73-1	0.0000278	Xn; R22 N; R50
CIS-HEPTACHLOR EPOXIDE UNLABELED	(CAS-No.) 1024-57-3 (EC-No.) 213-831-0 (EC Index-No.) 602-063-00-5	0.0000278	T+; R28 N; R50/53
TRANS-HEPTACHLOR EPOXIDE UNLABELED	(CAS-No.) 28044-83-9 (EC Index-No.) 602-063-00-5	0.0000278	T+; R28
TRANS-CHLORDANE (GAMMA) UNLABELED	(CAS-No.) 5103-74-2 (EC-No.) 226-938-2	0.0000278	Xn; R22 Carc.Cat.3; R40 N; R50/53
OXYCHLORDANE UNLABELED	(CAS-No.) 27304-13-8	0.0000278	Xn; R22
2,4'-DDD UNLABELED	(CAS-No.) 53-19-0 (EC-No.) 200-166-6	0.0000278	Carc.Cat.3; R40
4,4'-DDT UNLABELED	(CAS-No.) 50-29-3 (EC-No.) 200-024-3 (EC Index-No.) 602-045-00-7	0.0000278	Carc.Cat.3; R40 T; R25 N; R50/53
2,4'-DDE UNLABELED	(CAS-No.) 3424-82-6 (EC-No.) 222-318-0	0.0000278	Carc.Cat.3; R40 Xn; R22 N; R50/53
4,4'-DDD UNLABELED	(CAS-No.) 72-54-8 (EC-No.) 200-783-0	0.0000278	Carc.Cat.3; R40 Xn; R21 T; R25 N; R50/53
2,4'-DDT UNLABELED (97% CHEMICAL PURITY)	(CAS-No.) 789-02-6 (EC-No.) 212-332-5	0.0000278	Carc.Cat.3; R40 T; R48/25 N; R50/53
KEPONE (CHLORDECONE) UNLABELED	(CAS-No.) 143-50-0 (EC-No.) 205-601-3 (EC Index-No.) 606-019-00-6	0.0000278	T; R24/25 Carc.Cat.3; R40 N; R50/53
ALDRIN UNLABELED	(CAS-No.) 309-00-2 (EC-No.) 206-215-8 (EC Index-No.) 602-048-00-3	0.0000278	Carc.Cat.3; R40 T; R24/25 N; R50/53
ENDOSULFAN I UNLABELED	(CAS-No.) 959-98-8	0.0000278	T+; R26/28 N; R50/53 Xn; R21
DIELDRIN UNLABELED	(CAS-No.) 60-57-1 (EC-No.) 200-484-5 (EC Index-No.) 602-049-00-9	0.0000278	T+; R26 T; R24 N; R51/53
MIREX UNLABELED	(CAS-No.) 2385-85-5 (EC-No.) 219-196-6 (EC Index-No.) 602-077-00-1	0.0000278	Xn; R21/22 N; R50/53
ENDRIN UNLABELED	(CAS-No.) 72-20-8 (EC-No.) 200-775-7 (EC Index-No.) 602-051-00-X	0.0000278	T+; R28 T; R24 N; R50/53
DIBENZ[A,H]ANTHRACENE UNLABELED	(CAS-No.) 53-70-3 (EC-No.) 200-181-8 (EC Index-No.) 601-041-00-2	0.0000278	Carc.Cat.1; R45 Carc.Cat.1; R49 N; R50/53
PHENANTHRENE UNLABELED	(CAS-No.) 85-01-8 (EC-No.) 201-581-5	0.0000278	Xn; R22 N; R50/53

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1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 39001-02-0	0.0000278	T+; R26/27/28
1,2,3,6,7,8-HXCDD UNLABELED	(CAS-No.) 57653-85-7	0.0000278	N; R51/53 T; R39/23/24/25
ENDOSULFAN II UNLABELED	(CAS-No.) 33213-65-9 (EC-No.) (EC Index-No.)	0.0000278	T; R25 N; R50/53
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
N-NONANE UNLABELED	(CAS-No.) 111-84-2 (EC-No.) 203-913-4	92.3995943	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H336 Asp. Tox. 1, H304
ISOOCTANE UNLABELED	(CAS-No.) 540-84-1 (EC-No.) 208-759-1 (EC Index-No.) 601-009-00-8 (REACH-no) 01-2119457965-22	5.2342121	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
100% BENZENE UNLABELED	(CAS-No.) 71-43-2 (EC-No.) 200-753-7 (EC Index-No.) 601-020-00-8 (REACH-no) 01-2119447106-44	2.3625241	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Muta. 1B, H340 Carc. 1A, H350 Asp. Tox. 1, H304
FLUORANTHENE UNLABELED	(CAS-No.) 206-44-0 (EC-No.) 205-912-4 (Unlabeled)	0.0002779	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410
2,2',4,4',5,5'-HEXABDE (BDE-153) UNLABELED	(CAS-No.) 68631-49-2	0.0000556	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H335 Aquatic Chronic 2, H411
2,2',4,4',6,6'-HEXABDE (BDE-155) UNLABELED	(CAS-No.) 35854-94-5	0.0000556	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Chronic 2, H411
2,2',3,4,4',5,6'-HEPTABDE (BDE-183) UNLABELED	(CAS-No.) 207122-16-5	0.0000556	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Chronic 2, H411
2,2',4,4',5,6'-HEXABDE (BDE-154) UNLABELED	(CAS-No.) 207122-15-4	0.0000556	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Chronic 2, H411
2,2',3,4,4',5,6'-HEPTABDE (BDE-181) UNLABELED	(CAS-No.) 189084-67-1	0.0000556	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Chronic 2, H411
2,3,4,4',5,6'-HEXABDE (BDE-166) UNLABELED	(CAS-No.) 189084-58-0	0.0000556	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Chronic 2, H411
2,2',3,4,4',5,5',6'-OCTABDE (BDE-203) UNLABELED	(CAS-No.) 337513-72-1	0.0000556	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Chronic 2, H411

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2,3,3',4,4',5,6-HEPTABDE (BDE-190) UNLABELED	(CAS-No.) 189084-68-2	0.0000556	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Chronic 2, H411
2,2',3,3',4,4',5,6,6'-NONABDE (BDE-207) UNLABELED	(CAS-No.) 437701-79-6	0.0000556	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Chronic 2, H411
2,2',3,3',4,4',5,5',6-NONABDE (BDE-206) UNLABELED	(CAS-No.) 63387-28-0	0.0000556	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Chronic 2, H411
DECABDE (BDE-209) UNLABELED substance listed as REACH Candidate (Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE))	(CAS-No.) 1163-19-5 (EC-No.) 214-604-9	0.0000556	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:dust,mist), H332
2,3,3',4,4',5,5',6-OCTABDE (BDE-205) UNLABELED	(CAS-No.) 446255-56-7	0.0000556	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Chronic 2, H411
3,3',4,4',5,5'-HEXACB UNLABELED	(CAS-No.) 32774-16-6 (EC Index-No.) 602-039-00-4	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3,3',4,4',5-PENTACB UNLABELED	(CAS-No.) 57465-28-8 (EC Index-No.) 602-039-00-4	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3,3',4,4'-TETRACB UNLABELED	(CAS-No.) 32598-13-3 (EC Index-No.) 602-039-00-4	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3,4,4',5-TETRACB UNLABELED	(CAS-No.) 70362-50-4 (EC Index-No.) 602-039-00-4	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
DECACHLOROBIPHENYL UNLABELED	(CAS-No.) 2051-24-3 (EC-No.) 218-115-1 (EC Index-No.) 602-039-00-4	0.0000278	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Carc. 1A, H350 Repr. 1A, H360 STOT SE 2, H371 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3,4,4'-TRICB UNLABELED	(CAS-No.) 38444-90-5	0.0000278	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410
2,2',6,6'-TETRACB UNLABELED	(CAS-No.) 15968-05-5 (Unlabeled)	0.0000278	Carc. 1B, H350i STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3,3',4,4',5,5'-HEPTACB UNLABELED	(CAS-No.) 39635-31-9 (EC Index-No.) 602-039-00-4	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3,3',4,4',5-HEXACB UNLABELED	(CAS-No.) 38380-08-4 (EC Index-No.) 602-039-00-4	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2',3,4,4',5-PENTACB UNLABELED	(CAS-No.) 65510-44-3 (EC Index-No.) 602-039-00-4	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3',4,4',5,5'-HEXACB UNLABELED	(CAS-No.) 52663-72-6 (EC Index-No.) 602-039-00-4	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3,3',4,4',5'-HEXACB UNLABELED	(CAS-No.) 69782-90-7 (EC Index-No.) 602-039-00-4	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3,3',4,4'-PENTACB UNLABELED	(CAS-No.) 32598-14-4 (EC Index-No.) 602-039-00-4	0.0000278	Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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2,3,4,4',5-PENTACB UNLABELED	(CAS-No.) 74472-37-0 (EC Index-No.) 602-039-00-4	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3',4,4',5-PENTACB UNLABELED	(CAS-No.) 31508-00-6 (EC-No.) 215-648-1 (EC Index-No.) 602-039-00-4	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2-MONOCB UNLABELED	(CAS-No.) 2051-60-7 (EC-No.) 218-125-6	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
4-MONOCB UNLABELED	(CAS-No.) 2051-62-9 (EC-No.) 218-127-7	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
4,4'-DICB UNLABELED	(CAS-No.) 2050-68-2 (EC-No.) 218-095-4	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',4,6,6'-PENTACB UNLABELED	(CAS-No.) 56558-16-8	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',4,4',6,6'-HEXACB UNLABELED	(CAS-No.) 33979-03-2	0.0000278	Carc. 1B, H350i STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',3,4',5,6,6'-HEPTACB UNLABELED	(CAS-No.) 74487-85-7	0.0000278	Carc. 1B, H350 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',3,3',4,4',5,5',6-NONACB UNLABELED	(CAS-No.) 40186-72-9	0.0000278	Carc. 1B, H350 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3,3',4,4',5,5',6-OCTACB UNLABELED	(CAS-No.) 74472-53-0	0.0000278	Carc. 1B, H350 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',3,3',4,5,5',6'-NONACB UNLABELED	(CAS-No.) 52663-77-1 (EC Index-No.) 602-039-00-4	0.0000278	Carc. 1B, H350 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3',4,4',6-PENTABDE (BDE-119) UNLABELED	(CAS-No.) 189084-66-0	0.0000278	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Chronic 2, H411
3,3',4,4',5-PENTABDE (BDE-126) UNLABELED	(CAS-No.) 366791-32-4	0.0000278	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Chronic 2, H411
4,4'-DIBDE (BDE-15) UNLABELED	(CAS-No.) 2050-47-7 (EC-No.) 218-090-7	0.0000278	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Chronic 2, H411
2,2',4-TRIBDE (BDE-17) UNLABELED	(CAS-No.) 147217-75-2	0.0000278	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Chronic 2, H411
2,4,4'-TRIBDE (BDE-28) UNLABELED	(CAS-No.) 41318-75-6	0.0000278	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Chronic 2, H411
4-MONOBDE (BDE-3) UNLABELED	(CAS-No.) 101-55-3	0.0000278	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Chronic 2, H411

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2,3',4',6-TETRABDE (BDE-71) UNLABELED	(CAS-No.) 189084-62-6	0.0000278	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Chronic 2, H411
2,3',4,4'-TETRABDE (BDE-66) UNLABELED	(CAS-No.) 189084-61-5	0.0000278	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Chronic 2, H411
2,2',4,5'-TETRABDE (BDE-49) UNLABELED	(CAS-No.) 243982-82-3	0.0000278	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Chronic 2, H411
2,2',4,4'-TETRABDE (BDE-47) UNLABELED	(CAS-No.) 5436-43-1 (EC-No.) 208-759-1 (EC Index-No.) 601-009-00-8	0.0000278	Flam. Liq. 2, H225 Acute Tox. 1 (Oral), H300 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H335 Aquatic Chronic 2, H411
2,4-DIBDE (BDE-7) UNLABELED	(CAS-No.) 171977-44-9	0.0000278	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H336 Aquatic Chronic 2, H411
2,2',3,4,4'-PENTABDE (BDE-85) UNLABELED	(CAS-No.) 182346-21-0	0.0000278	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Chronic 2, H411
3,3',4,4'-TETRABDE (BDE-77) UNLABELED	(CAS-No.) 93703-48-1	0.0000278	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Chronic 2, H411
2,2',4,4',5-PENTABDE (BDE-99) UNLABELED	(CAS-No.) 60348-60-9	0.0000278	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Chronic 2, H411
2,2'-DICB UNLABELED	(CAS-No.) 13029-08-8	0.0000278	Carc. 1B, H350 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',6-TRICB UNLABELED	(CAS-No.) 38444-73-4	0.0000278	Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',3,3',5,5',6,6'-OCTACB UNLABELED	(CAS-No.) 2136-99-4	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
1,2,3,4-TCDD	(CAS-No.) 1746-01-6	0.0000278	Acute Tox. 1 (Dermal), H310 Muta. 2, H341 STOT SE 2, H371 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	(CAS-No.) 40321-76-4	0.0000278	Acute Tox. 4 (Oral), H302 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	(CAS-No.) 39227-28-6	0.0000278	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Asp. Tox. 1, H304 Aquatic Chronic 4, H413

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	(CAS-No.) 19408-74-3	0.0000278	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:dust,mist), H332 Carc. 1A, H350 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	(CAS-No.) 35822-46-9	0.0000278	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:dust,mist), H332
1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN	(CAS-No.) 3268-87-9	0.0000278	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
2,3,7,8-TETRACHLORODIBENZOFURAN	(CAS-No.) 51207-31-9	0.0000278	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Carc. 1A, H350 Aquatic Chronic 4, H413
1,2,3,7,8-PENTACHLORODIBENZOFURAN	(CAS-No.) 57117-41-6	0.0000278	Acute Tox. 4 (Oral), H302 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
2,3,4,7,8-PENTACHLORODIBENZOFURAN	(CAS-No.) 57117-31-4	0.0000278	Acute Tox. 4 (Oral), H302 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	(CAS-No.) 70648-26-9	0.0000278	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	(CAS-No.) 57117-44-9	0.0000278	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	(CAS-No.) 72918-21-9	0.0000278	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Carc. 1A, H350 Aquatic Chronic 4, H413
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	(CAS-No.) 60851-34-5	0.0000278	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	(CAS-No.) 67562-39-4	0.0000278	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Aquatic Chronic 4, H413
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	(CAS-No.) 55673-89-7	0.0000278	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Aquatic Chronic 4, H413
2,2',4,4',6-PENTABDE (BDE-100) UNLABELED	(CAS-No.) 189084-64-8 (Unlabeled)	0.0000278	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H335 Aquatic Chronic 2, H411
BENZO[A]PYRENE UNLABELED substance listed as REACH Candidate (Benzo[def]chrysene)	(CAS-No.) 50-32-8 (EC-No.) 200-028-5 (EC Index-No.) 601-032-00-3	0.0000278	Skin Sens. 1, H317 Muta. 1B, H340 Carc. 1B, H350 Repr. 1B, H360 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410
BENZO[B]FLUORANTHENE UNLABELED	(CAS-No.) 205-99-2 (EC-No.) 205-911-9 (EC Index-No.) 601-034-00-4	0.0000278	Carc. 1B, H350 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
ACENAPHTHYLENE UNLABELED	(CAS-No.) 208-96-8 (EC-No.) 205-917-1 (EC Index-No.)	0.0000278	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ANTHRACENE UNLABELED substance listed as REACH Candidate (Anthracene)	(CAS-No.) 120-12-7 (EC-No.) 204-371-1	0.0000278	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410
BENZ[A]ANTHRACENE UNLABELED	(CAS-No.) 56-55-3 (EC-No.) 200-280-6 (EC Index-No.) 601-033-00-9	0.0000278	Carc. 1B, H350 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
BENZO[K]FLUORANTHENE UNLABELED	(CAS-No.) 207-08-9 (EC-No.) 205-916-6 (EC Index-No.) 601-036-00-5	0.0000278	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 1B, H350 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
BENZO[GHI]PERYLENE UNLABELED	(CAS-No.) 191-24-2 (EC-No.) 205-883-8	0.0000278	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
CHRYSENE UNLABELED	(CAS-No.) 218-01-9 (EC-No.) 205-923-4 (EC Index-No.) 601-048-00-0	0.0000278	Muta. 2, H341 Carc. 1B, H350 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
FLUORENE UNLABELED	(CAS-No.) 86-73-7 (EC-No.) 201-695-5	0.0000278	Carc. 1A, H350 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
INDENO[1,2,3-CD]PYRENE UNLABELED	(CAS-No.) 193-39-5 (EC-No.) 205-893-2	0.0000278	Carc. 2, H351
NAPHTHALENE UNLABELED	(CAS-No.) 91-20-3 (EC-No.) 202-049-5 (EC Index-No.) 601-052-00-2	0.0000278	Flam. Sol. 1, H228 Acute Tox. 4 (Oral), H302 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
PENTACHLOROBENZENE UNLABELED	(CAS-No.) 608-93-5 (EC-No.) 210-172-0 (EC Index-No.) 602-074-00-5	0.0000278	Flam. Sol. 1, H228 Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
HEXACHLOROBENZENE UNLABELED	(CAS-No.) 118-74-1 (EC-No.) 204-273-9 (EC Index-No.) 602-065-00-6	0.0000278	Carc. 1B, H350 STOT SE 1, H370 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
LINDANE UNLABELED	(CAS-No.) 58-89-9 (EC-No.) 200-401-2 (EC Index-No.) 602-043-00-6	0.0000278	Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Dermal), H312 STOT RE 2, H373 Lact., H362 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)
ALPHA-BHC UNLABELED	(CAS-No.) 319-84-6 (EC-No.) 206-270-8 (EC Index-No.) 602-042-00-0	0.0000278	Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
DELTA-BHC UNLABELED	(CAS-No.) 319-86-8 (EC-No.) 206-272-9 (EC Index-No.) 602-042-00-0	0.0000278	Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
HEPTACHLOR UNLABELED	(CAS-No.) 76-44-8 (EC-No.) 200-962-3 (EC Index-No.) 602-046-00-2	0.0000278	Acute Tox. 2 (Oral), H300 Acute Tox. 2 (Dermal), H310 Carc. 2, H351 Aquatic Chronic 1, H410
BETA-BHC UNLABELED	(CAS-No.) 319-85-7 (EC-No.) 206-271-3 (EC Index-No.) 602-042-00-0	0.0000278	Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
CIS-CHLORDANE(ALPHA) UNLABELED	(CAS-No.) 5103-71-9 (EC-No.) 225-825-5	0.0000278	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410
TRANS-NONACHLOR UNLABELED	(CAS-No.) 39765-80-5	0.0000278	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410

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CIS-NONACHLOR UNLABELED	(CAS-No.) 5103-73-1	0.0000278	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400
CIS-HEPTACHLOR EPOXIDE UNLABELED	(CAS-No.) 1024-57-3 (EC-No.) 213-831-0 (EC Index-No.) 602-063-00-5	0.0000278	Acute Tox. 2 (Oral), H300 Carc. 2, H351 STOT RE 2, H373 Aquatic Chronic 1, H410
TRANS-HEPTACHLOR EPOXIDE UNLABELED	(CAS-No.) 28044-83-9 (EC Index-No.) 602-063-00-5	0.0000278	Acute Tox. 2 (Oral), H300 Carc. 2, H351 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
TRANS-CHLORDANE (GAMMA) UNLABELED	(CAS-No.) 5103-74-2 (EC-No.) 226-938-2	0.0000278	Acute Tox. 4 (Oral), H302 Carc. 2, H351 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410
OXYCHLORDANE UNLABELED	(CAS-No.) 27304-13-8	0.0000278	Acute Tox. 4 (Oral), H302
2,4'-DDD UNLABELED	(CAS-No.) 53-19-0 (EC-No.) 200-166-6	0.0000278	Carc. 2, H351
4,4'-DDT UNLABELED	(CAS-No.) 50-29-3 (EC-No.) 200-024-3 (EC Index-No.) 602-045-00-7	0.0000278	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Carc. 2, H351 STOT SE 1, H370 STOT RE 1, H372 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)
2,4'-DDE UNLABELED	(CAS-No.) 3424-82-6 (EC-No.) 222-318-0	0.0000278	Acute Tox. 4 (Oral), H302 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
4,4'-DDD UNLABELED	(CAS-No.) 72-54-8 (EC-No.) 200-783-0	0.0000278	Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Carc. 2, H351 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410
2,4'-DDT UNLABELED (97% CHEMICAL PURITY)	(CAS-No.) 789-02-6 (EC-No.) 212-332-5	0.0000278	Acute Tox. 3 (Oral), H301 Carc. 2, H351 STOT RE 1, H372 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410
KEPONE (CHLORDECONE) UNLABELED	(CAS-No.) 143-50-0 (EC-No.) 205-601-3 (EC Index-No.) 606-019-00-6	0.0000278	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Carc. 2, H351 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410
ALDRIN UNLABELED	(CAS-No.) 309-00-2 (EC-No.) 206-215-8 (EC Index-No.) 602-048-00-3	0.0000278	Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 Carc. 2, H351 STOT RE 1, H372 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410
ENDOSULFAN I UNLABELED	(CAS-No.) 959-98-8	0.0000278	Acute Tox. 2 (Oral), H300 Acute Tox. 4 (Dermal), H312 Acute Tox. 2 (Inhalation:dust,mist), H330 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
DIELDRIN UNLABELED	(CAS-No.) 60-57-1 (EC-No.) 200-484-5 (EC Index-No.) 602-049-00-9	0.0000278	Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 Carc. 2, H351 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
MIREX UNLABELED	(CAS-No.) 2385-85-5 (EC-No.) 219-196-6 (EC Index-No.) 602-077-00-1	0.0000278	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Carc. 2, H351 Repr. 2, H361 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410
ENDRIN UNLABELED	(CAS-No.) 72-20-8 (EC-No.) 200-775-7 (EC Index-No.) 602-051-00-X	0.0000278	Acute Tox. 1 (Oral), H300 Acute Tox. 2 (Dermal), H310 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410
DIBENZ[A,H]ANTHRACENE UNLABELED	(CAS-No.) 53-70-3 (EC-No.) 200-181-8 (EC Index-No.) 601-041-00-2	0.0000278	Carc. 1B, H350 Aquatic Acute 1, H400 Aquatic Chronic 1, H410



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PHENANTHRENE UNLABELED	(CAS-No.) 85-01-8 (EC-No.) 201-581-5	0.0000278	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 39001-02-0	0.0000278	Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 Acute Tox. 2 (Inhalation:dust,mist), H330 Carc. 2, H351
1,2,3,6,7,8-HXCDD UNLABELED	(CAS-No.) 57653-85-7	0.0000278	Aquatic Chronic 2, H411 Eye Irrit. 2, H319
ENDOSULFAN II UNLABELED	(CAS-No.) 33213-65-9 (EC-No.) (EC Index-No.)	0.0000278	Acute Tox. 3 (Oral), H301 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410

Name	Product identifier	%	GHS-US classification
N-NONANE UNLABELED	(CAS-No.) 111-84-2	92.3995943	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H336 Asp. Tox. 1, H304
ISOOCTANE UNLABELED	(CAS-No.) 540-84-1	5.2342121	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
100% BENZENE UNLABELED	(CAS-No.) 71-43-2	2.3625241	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Muta. 1B, H340 Carc. 1A, H350 Asp. Tox. 1, H304
FLUORANTHENE UNLABELED	(CAS-No.) 206-44-0	0.0002779	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',4,4',5,5'-HEXABDE (BDE-153) UNLABELED	(CAS-No.) 68631-49-2	0.0000556	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H335 Aquatic Chronic 2, H411
2,2',4,4',6,6'-HEXABDE (BDE-155) UNLABELED	(CAS-No.) 35854-94-5	0.0000556	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
2,2',3,4,4',5,6'-HEPTABDE (BDE-183) UNLABELED	(CAS-No.) 207122-16-5	0.0000556	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
2,2',4,4',5,6'-HEXABDE (BDE-154) UNLABELED	(CAS-No.) 207122-15-4	0.0000556	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
2,2',3,4,4',5,6'-HEPTABDE (BDE-181) UNLABELED	(CAS-No.) 189084-67-1	0.0000556	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
2,3,4,4',5,6'-HEXABDE (BDE-166) UNLABELED	(CAS-No.) 189084-58-0	0.0000556	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Acute 2, H401 Aquatic Chronic 2, H411

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2,2',3,4,4',5,5',6-OCTABDE (BDE-203) UNLABELED	(CAS-No.) 337513-72-1	0.0000556	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
2,3,3',4,4',5,6-HEPTABDE (BDE-190) UNLABELED	(CAS-No.) 189084-68-2	0.0000556	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
2,2',3,3',4,4',5,6'-NONABDE (BDE-207) UNLABELED	(CAS-No.) 437701-79-6	0.0000556	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
2,2',3,3',4,4',5,5',6-NONABDE (BDE-206) UNLABELED	(CAS-No.) 63387-28-0	0.0000556	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
DECABDE (BDE-209) UNLABELED	(CAS-No.) 1163-19-5	0.0000556	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:gas), H332
2,3,3',4,4',5,5',6-OCTABDE (BDE-205) UNLABELED	(CAS-No.) 446255-56-7	0.0000556	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
3,3',4,4',5,5'-HEXACB UNLABELED	(CAS-No.) 32774-16-6	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3,3',4,4',5-PENTACB UNLABELED	(CAS-No.) 57465-28-8	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3,3',4,4'-TETRACB UNLABELED	(CAS-No.) 32598-13-3	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3,4,4',5-TETRACB UNLABELED	(CAS-No.) 70362-50-4	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
DECACHLOROBIPHENYL UNLABELED	(CAS-No.) 2051-24-3	0.0000278	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Carc. 1A, H350 Repr. 1A, H360 STOT SE 2, H371 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3,4,4'-TRICB UNLABELED	(CAS-No.) 38444-90-5	0.0000278	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',6,6'-TETRACB UNLABELED	(CAS-No.) 15968-05-5 (Unlabeled)	0.0000278	Carc. 1B, H350 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3,3',4,4',5,5'-HEPTACB UNLABELED	(CAS-No.) 39635-31-9	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3,3',4,4',5-HEXACB UNLABELED	(CAS-No.) 38380-08-4	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2',3,4,4',5-PENTACB UNLABELED	(CAS-No.) 65510-44-3	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3',4,4',5,5'-HEXACB UNLABELED	(CAS-No.) 52663-72-6	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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2,3,3',4,4',5'-HEXACB UNLABELED	(CAS-No.) 69782-90-7	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3,3',4,4'-PENTACB UNLABELED	(CAS-No.) 32598-14-4	0.0000278	Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3,4,4',5'-PENTACB UNLABELED	(CAS-No.) 74472-37-0	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3',4,4',5'-PENTACB UNLABELED	(CAS-No.) 31508-00-6	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2-MONOCB UNLABELED	(CAS-No.) 2051-60-7	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
4-MONOCB UNLABELED	(CAS-No.) 2051-62-9	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
4,4'-DICB UNLABELED	(CAS-No.) 2050-68-2	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',4,6,6'-PENTACB UNLABELED	(CAS-No.) 56558-16-8	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',4,4',6,6'-HEXACB UNLABELED	(CAS-No.) 33979-03-2	0.0000278	Carc. 1B, H350 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',3,4',5,6,6'-HEPTACB UNLABELED	(CAS-No.) 74487-85-7	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',3,3',4,4',5,5',6-NONACB UNLABELED	(CAS-No.) 40186-72-9	0.0000278	Carc. 1B, H350 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3,3',4,4',5,5',6-OCTACB UNLABELED	(CAS-No.) 74472-53-0	0.0000278	Carc. 1B, H350 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',3,3',4,5,5',6,6'-NONACB UNLABELED	(CAS-No.) 52663-77-1	0.0000278	Carc. 1B, H350 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3',4,4',6-PENTABDE (BDE-119) UNLABELED	(CAS-No.) 189084-66-0	0.0000278	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
3,3',4,4',5-PENTABDE (BDE-126) UNLABELED	(CAS-No.) 366791-32-4	0.0000278	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
4,4'-DIBDE (BDE-15) UNLABELED	(CAS-No.) 2050-47-7	0.0000278	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
2,2',4-TRIBDE (BDE-17) UNLABELED	(CAS-No.) 147217-75-2	0.0000278	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
2,4,4'-TRIBDE (BDE-28) UNLABELED	(CAS-No.) 41318-75-6	0.0000278	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Acute 2, H401 Aquatic Chronic 2, H411

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Name	Product identifier	%	GHS-US classification
4-MONOBDE (BDE-3) UNLABELED	(CAS-No.) 101-55-3	0.0000278	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
2,3',4',6-TETRABDE (BDE-71) UNLABELED	(CAS-No.) 189084-62-6	0.0000278	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
2,3',4,4'-TETRABDE (BDE-66) UNLABELED	(CAS-No.) 189084-61-5	0.0000278	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
2,2',4,5'-TETRABDE (BDE-49) UNLABELED	(CAS-No.) 243982-82-3	0.0000278	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
2,2',4,4'-TETRABDE (BDE-47) UNLABELED	(CAS-No.) 5436-43-1	0.0000278	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H335 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
2,4-DIBDE (BDE-7) UNLABELED	(CAS-No.) 171977-44-9	0.0000278	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H336 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
2,2',3,4,4'-PENTABDE (BDE-85) UNLABELED	(CAS-No.) 182346-21-0	0.0000278	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
3,3',4,4'-TETRABDE (BDE-77) UNLABELED	(CAS-No.) 93703-48-1	0.0000278	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
2,2',4,4',5-PENTABDE (BDE-99) UNLABELED	(CAS-No.) 60348-60-9	0.0000278	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
2,2'-DICB UNLABELED	(CAS-No.) 13029-08-8	0.0000278	Carc. 1B, H350 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',6-TRICB UNLABELED	(CAS-No.) 38444-73-4	0.0000278	Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',3,3',5,5',6,6'-OCTACB UNLABELED	(CAS-No.) 2136-99-4	0.0000278	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
1,2,3,4-TCDD	(CAS-No.) 1746-01-6	0.0000278	Acute Tox. 1 (Dermal), H310 STOT SE 2, H371 Asp. Tox. 1, H304
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	(CAS-No.) 40321-76-4	0.0000278	Acute Tox. 4 (Oral), H302 Asp. Tox. 1, H304 Aquatic Chronic 4, H413

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Name	Product identifier	%	GHS-US classification
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	(CAS-No.) 39227-28-6	0.0000278	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	(CAS-No.) 19408-74-3	0.0000278	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Carc. 1A, H350 Aquatic Chronic 4, H413
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	(CAS-No.) 35822-46-9	0.0000278	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Aquatic Chronic 4, H413
1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN	(CAS-No.) 3268-87-9	0.0000278	Asp. Tox. 1, H304 Aquatic Chronic 4, H413
2,3,7,8-TETRACHLORODIBENZOFURAN	(CAS-No.) 51207-31-9	0.0000278	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Carc. 1A, H350 Aquatic Chronic 4, H413
1,2,3,7,8-PENTACHLORODIBENZOFURAN	(CAS-No.) 57117-41-6	0.0000278	Acute Tox. 4 (Oral), H302 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
2,3,4,7,8-PENTACHLORODIBENZOFURAN	(CAS-No.) 57117-31-4	0.0000278	Acute Tox. 4 (Oral), H302 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	(CAS-No.) 70648-26-9	0.0000278	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	(CAS-No.) 57117-44-9	0.0000278	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	(CAS-No.) 72918-21-9	0.0000278	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Carc. 1A, H350 Aquatic Chronic 4, H413
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	(CAS-No.) 60851-34-5	0.0000278	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	(CAS-No.) 67562-39-4	0.0000278	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Aquatic Chronic 4, H413
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	(CAS-No.) 55673-89-7	0.0000278	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Aquatic Chronic 4, H413
2,2',4,4',6-PENTABDE (BDE-100) UNLABELED	(CAS-No.) 189084-64-8 (Unlabeled)	0.0000278	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H335 Aquatic Chronic 2, H411
BENZO[A]PYRENE UNLABELED	(CAS-No.) 50-32-8	0.0000278	Skin Sens. 1, H317 Muta. 1B, H340 Carc. 1B, H350 Repr. 1B, H360 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
BENZO[B]FLUORANTHENE UNLABELED	(CAS-No.) 205-99-2	0.0000278	Carc. 1B, H350 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
ACENAPHTHYLENE UNLABELED	(CAS-No.) 208-96-8	0.0000278	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
ANTHRACENE UNLABELED	(CAS-No.) 120-12-7	0.0000278	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
BENZ[A]ANTHRACENE UNLABELED	(CAS-No.) 56-55-3	0.0000278	Carc. 1B, H350 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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Name	Product identifier	%	GHS-US classification
BENZO[K]FLUORANTHENE UNLABELED	(CAS-No.) 207-08-9	0.0000278	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Carc. 1B, H350 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
BENZO[GH]PERYLENE UNLABELED	(CAS-No.) 191-24-2	0.0000278	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
CHRYSENE UNLABELED	(CAS-No.) 218-01-9	0.0000278	Muta. 2, H341 Carc. 1B, H350 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
FLUORENE UNLABELED	(CAS-No.) 86-73-7	0.0000278	Carc. 1A, H350 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
INDENO[1,2,3-CD]PYRENE UNLABELED	(CAS-No.) 193-39-5	0.0000278	Carc. 2, H351
NAPHTHALENE UNLABELED	(CAS-No.) 91-20-3	0.0000278	Flam. Sol. 1, H228 Acute Tox. 4 (Oral), H302 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
PENTACHLOROBENZENE UNLABELED	(CAS-No.) 608-93-5	0.0000278	Flam. Sol. 1, H228 Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
HEXACHLOROBENZENE UNLABELED	(CAS-No.) 118-74-1	0.0000278	Carc. 1B, H350 STOT SE 1, H370 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
LINDANE UNLABELED	(CAS-No.) 58-89-9	0.0000278	Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Lact., H362 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
ALPHA-BHC UNLABELED	(CAS-No.) 319-84-6	0.0000278	Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
DELTA-BHC UNLABELED	(CAS-No.) 319-86-8	0.0000278	Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
HEPTACHLOR UNLABELED	(CAS-No.) 76-44-8	0.0000278	Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 Carc. 2, H351 Aquatic Chronic 1, H410
BETA-BHC UNLABELED	(CAS-No.) 319-85-7	0.0000278	Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
CIS-CHLORDANE(ALPHA) UNLABELED	(CAS-No.) 5103-71-9	0.0000278	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
TRANS-NONACHLOR UNLABELED	(CAS-No.) 39765-80-5	0.0000278	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
CIS-NONACHLOR UNLABELED	(CAS-No.) 5103-73-1	0.0000278	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400
CIS-HEPTACHLOR EPOXIDE UNLABELED	(CAS-No.) 1024-57-3	0.0000278	Acute Tox. 2 (Oral), H300 Carc. 2, H351 STOT RE 2, H373 Aquatic Chronic 1, H410
TRANS-HEPTACHLOR EPOXIDE UNLABELED	(CAS-No.) 28044-83-9	0.0000278	Acute Tox. 2 (Oral), H300 Carc. 2, H351 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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Name	Product identifier	%	GHS-US classification
TRANS-CHLORDANE (GAMMA) UNLABELED	(CAS-No.) 5103-74-2	0.0000278	Acute Tox. 4 (Oral), H302 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
OXYCHLORDANE UNLABELED	(CAS-No.) 27304-13-8	0.0000278	Acute Tox. 4 (Oral), H302
2,4'-DDD UNLABELED	(CAS-No.) 53-19-0	0.0000278	Carc. 2, H351
4,4'-DDT UNLABELED	(CAS-No.) 50-29-3	0.0000278	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Carc. 2, H351 STOT SE 1, H370 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,4'-DDE UNLABELED	(CAS-No.) 3424-82-6	0.0000278	Acute Tox. 4 (Oral), H302 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
4,4'-DDD UNLABELED	(CAS-No.) 72-54-8	0.0000278	Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Carc. 2, H351 Aquatic Chronic 1, H410
2,4'-DDT UNLABELED (97% CHEMICAL PURITY)	(CAS-No.) 789-02-6	0.0000278	Acute Tox. 3 (Oral), H301 Carc. 2, H351 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
KEPONE (CHLORDECONE) UNLABELED	(CAS-No.) 143-50-0	0.0000278	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
ALDRIN UNLABELED	(CAS-No.) 309-00-2	0.0000278	Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 Carc. 2, H351 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
ENDOSULFAN I UNLABELED	(CAS-No.) 959-98-8	0.0000278	Acute Tox. 1 (Oral), H300 Acute Tox. 4 (Dermal), H312 Acute Tox. 1 (Inhalation), H330 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
DIELDRIN UNLABELED	(CAS-No.) 60-57-1	0.0000278	Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 Carc. 2, H351 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
MIREX UNLABELED	(CAS-No.) 2385-85-5	0.0000278	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Carc. 2, H351 Repr. 2, H361 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
ENDRIN UNLABELED	(CAS-No.) 72-20-8	0.0000278	Acute Tox. 1 (Oral), H300 Acute Tox. 2 (Dermal), H310 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
DIBENZ[A,H]ANTHRACENE UNLABELED	(CAS-No.) 53-70-3	0.0000278	Carc. 1B, H350 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
PHENANTHRENE UNLABELED	(CAS-No.) 85-01-8	0.0000278	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 39001-02-0	0.0000278	Acute Tox. 2 (Oral), H300 Acute Tox. 2 (Dermal), H310 Acute Tox. 2 (Inhalation:dust,mist), H330 Carc. 2, H351
1,2,3,6,7,8-HXCDD UNLABELED	(CAS-No.) 57653-85-7	0.0000278	Eye Irrit. 2A, H319 Aquatic Chronic 2, H411
ENDOSULFAN II UNLABELED	(CAS-No.) 33213-65-9	0.0000278	Acute Tox. 3 (Oral), H301 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of R- and H- phrases: see section 16

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: Call a physician immediately.
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact	: Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Immediately call a poison center or doctor/physician.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects	: May cause damage to organs (central nervous system) (oral, Inhalation, dermal). May cause genetic defects (in contact with skin, if inhaled, if swallowed). May cause cancer (in contact with skin, if inhaled, if swallowed). May cause drowsiness or dizziness.
Symptoms/effects after inhalation	: Harmful if inhaled.
Symptoms/effects after skin contact	: Causes skin irritation.
Symptoms/effects after eye contact	: Causes serious eye irritation.
Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide. Alcohol resistant foam.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: Highly flammable liquid and vapor.
Explosion hazard	: May form flammable/explosive vapor-air mixture.
Reactivity	: Vapors may form explosive mixture with air.

#### 5.3. Advice for firefighters

Firefighting instructions	: Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures : Wear personal protective equipment. Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing fume, gas, mist, spray, vapors. Avoid contact with skin and eyes.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

For containment	: Dike and contain spill. Dispose as hazardous waste. Comply with local regulations for disposal.
Methods for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information	: Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed	: Handle empty containers with care because residual vapors are flammable.
Precautions for safe handling	: No open flames. No smoking. Use only non-sparking tools. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Eliminate all ignition sources if safe to do so. Use only outdoors or in a well-ventilated area.



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Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment.

Storage conditions : Store at room temperature away from light and moisture.

Incompatible materials : Heat sources.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

MULTI-FUNCTIONAL PAR SPIKE UNLABELED IN NONANE		
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	200.00000000 ppm USA. ACGIH Threshold Limit Values (TLV)
Italy - Portugal - USA ACGIH	Remark (ACGIH)	CNS impair
N-NONANE UNLABELED (111-84-2)		
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	200.00000000 ppm USA. ACGIH Threshold Limit Values (TLV)
Italy - Portugal - USA ACGIH	Remark (ACGIH)	CNS impair
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	1050 mg/m <sup>3</sup> USA. NIOSH Recommended Exposure Limits
USA NIOSH	NIOSH REL (TWA) (ppm)	200 ppm USA. NIOSH Recommended Exposure Limits
USA NIOSH	Remark (NIOSH)	Central Nervous System impairment
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	1050 mg/m <sup>3</sup> USA. OSHA - Table Z-1 Limits for Air Contaminants - 1910.1000
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm USA. OSHA - Table Z-1 Limits for Air Contaminants - 1910.1000
USA OSHA	OSHA PEL (Ceiling) (mg/m <sup>3</sup> )	1050 California permissible exposure limits for chemical contaminants.
USA OSHA	OSHA PEL (Ceiling) (ppm)	200 ppm California permissible exposure limits for chemical contaminants.
100% BENZENE UNLABELED (71-43-2)		
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	0.50000000 ppm
Italy - Portugal - USA ACGIH	ACGIH STEL (ppm)	2.5 ppm
Italy - Portugal - USA ACGIH	Remark (ACGIH)	Leukemia
USA OSHA	OSHA PEL (TWA) (ppm)	10 ppm
DECACHLOROBIPHENYL UNLABELED (2051-24-3)		
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	0.001 mg/m <sup>3</sup> USA. NIOSH Recommended Exposure Limits. Remarks : Potential Occupational Carcinogen.
ISOCTANE UNLABELED (540-84-1)		
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	300.00000000 ppm Basis: USA. ACGIH Threshold Limit Values (TLV)
Italy - Portugal - USA ACGIH	Remark (ACGIH)	Upper Respiratory Tract irritation
BENZO[A]PYRENE UNLABELED (50-32-8)		
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup> Exposure should be carefully controlled to levels as low as possible.
ANTHRACENE UNLABELED (120-12-7)		
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup>
BENZO[GHI]PERYLENE UNLABELED (191-24-2)		
Italy - Portugal - USA ACGIH	Remark (ACGIH)	Component: Benzo[ghi]perylene CAS-No.:191-24-2 Parameters:1-Hydroxypyren e (1-HP) Biological specimen: Urine Basis: ACGIH - Biological Exposure Indices (BEI) Remarks: End of shift at end of workweek.
USA OSHA	OSHA PEL (Ceiling) (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup> California permissible exposure limits for chemical contaminants (Title 8, Article 107)

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<b>CHRYSENE UNLABELED (218-01-9)</b>		
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup> Cancer Substances for which there is a Biological Exposure Index
<b>NAPHTHALENE UNLABELED (91-20-3)</b>		
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	10.00000000 ppm Hemolytic anemia. Cataract. Confirmed animal carcinogen with unknown relevance to humans. Danger of cutaneous absorption. Upper Respiratory Tract irritation.
Italy - Portugal - USA ACGIH	ACGIH STEL (ppm)	15 ppm Eye & Upper Respiratory Tract irritation. Hematologic effects. Eye damage. Not classifiable as a human carcinogen. Danger of cutaneous absorption.
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup> USA. NIOSH Recommended Exposure Limits
USA NIOSH	NIOSH REL (TWA) (ppm)	10 ppm USA. NIOSH Recommended Exposure Limits
USA NIOSH	NIOSH REL (STEL) (mg/m <sup>3</sup> )	75 mg/m <sup>3</sup> USA. NIOSH Recommended Exposure Limits
USA NIOSH	NIOSH REL (STEL) (ppm)	15 ppm USA. NIOSH Recommended Exposure Limits
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup> USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
USA OSHA	OSHA PEL (TWA) (ppm)	10 ppm USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
USA OSHA	OSHA PEL (STEL) (mg/m <sup>3</sup> )	75 mg/m <sup>3</sup> USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
USA OSHA	OSHA PEL (STEL) (ppm)	15 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
USA OSHA	Remark (OSHA)	PEL 0.5 mg/m <sup>3</sup> California permissible exposure limits for chemical contaminants (Title 8, Article 107) - Skin; PEL 0.1 ppm California permissible exposure limits for chemical contaminants (Title 8, Article 107) - Skin
<b>DECABDE (BDE-209) UNLABELED (1163-19-5)</b>		
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
<b>PHENANTHRENE UNLABELED (85-01-8)</b>		
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	1- Hydroxypyrene (1-HP) Urine ACGIH - Biological Exposure Indices (BEI)
Italy - Portugal - USA ACGIH	Remark (ACGIH)	End of shift at end of workweek
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup> USA. NIOSH Recommended Exposure Limits
USA NIOSH	Remark (NIOSH)	Potential Occupational Carcinogen NIOSH considers coal tar, coal tar pitch, and creosote to be coal tar products. cyclohexane-extractable fraction See Appendix C See Appendix A
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup> USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
USA OSHA	OSHA PEL (STEL) (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup> California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	Remark (OSHA)	1910.1002 As used in §1910.1000 (Table Z-1), coal tar pitch volatiles include the fused polycyclic hydrocarbons which volatilize from the distillation residues of coal, petroleum (excluding asphalt), wood, and other organic matter. Asphalt (CAS 8052-42-4, and CAS 64742-93-4) is not covered under the 'coal tar pitch volatiles' standard OSHA specifically regulated carcinogen
<b>DIELDRIN UNLABELED (60-57-1)</b>		
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	0.25 mg/m <sup>3</sup> Liver damage. Central Nervous System convulsion. Danger of cutaneous absorption
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	0.25 mg/m <sup>3</sup> Skin notation
<b>HEPTACHLOR UNLABELED (76-44-8)</b>		
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	0.5 mg/m <sup>3</sup> USA. NIOSH Recommended Exposure Limits

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HEPTACHLOR UNLABELED (76-44-8)		
USA NIOSH	Remark (NIOSH)	Potential Occupational Carcinogen. See Appendix A. Potential for dermal absorption.
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	0.5 mg/m <sup>3</sup> USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants. California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	Remark (OSHA)	Skin designation
HEXACHLOROBENZENE UNLABELED (118-74-1)		
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	0 mg/m <sup>3</sup> Central Nervous System impairment. Porphyrin effects. Skin damage.
ENDRIN UNLABELED (72-20-8)		
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup> Central Nervous System impairment, Headache, Liver damage
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup> Danger of cutaneous absorption, not classifiable a a human carcinogen
4,4'-DDT UNLABELED (50-29-3)		
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup> Liver damage. Confirmed animal carcinogen with unknown relevance to humans.
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup> Skin notation
KEPONE (CHLORDECONE) UNLABELED (143-50-0)		
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	0.001 mg/m <sup>3</sup> Remarks: Potential Occupational Carcinogen ; USA. NIOSH Recommended Exposure Limits
ALDRIN UNLABELED (309-00-2)		
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup> Skin contact does contribute to exposure. Confirmed animal carcinogen.
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	0.25 mg/m <sup>3</sup> Skin notation
FLUORANTHENE UNLABELED (206-44-0)		
Italy - Portugal - USA ACGIH	Remark (ACGIH)	Component : Fluoranthene; CAS-NO. : 206-44-0; Parameters: 1- Hydroxypyrene (1-HP); Biological specimen: Urine; Basis: ACGIH - Biological Exposure Indices (BEI); Remarks: End of shift at end of workweek.
USA OSHA	OSHA PEL (Ceiling) (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup> Basis: California permissible exposure limits for chemical contaminants (Title 8, Article 107)

### 8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Personal protective equipment : Protective clothing. Protective goggles. Gloves. Self-contained breathing apparatus.



Materials for protective clothing : Wear suitable protective clothing and gloves.  
Hand protection : Wear suitable protective clothing and gloves.  
Eye protection : Chemical goggles or face shield. Chemical goggles or safety glasses.  
Skin and body protection : Wear suitable protective clothing.  
Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Wear respiratory protection.  
Environmental exposure controls : Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

The properties listed below are for the solvent, the main component of this mixture.

Physical state : Liquid  
Appearance : Liquid  
Color : Colorless  
Odor : No data available

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Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: -53 °C (- 63 °F) - lit
Boiling point	: 151 °C (304 °F) - lit
Flash point	: 31 °C (87.8 °F) - closed cup
Auto-ignition temperature	: 205 °C (401 °F)
Decomposition temperature	: No data available
Flammability (solid, gas)	: Highly flammable liquid and vapor
Vapor pressure	: 5.69 hPa (4.27 mmHg) at 25 °C (77 °F)
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Specific gravity / density	: 0.718 g/ml at 25 °C (77 °F)
Solubility	: Water: 0.0002 % at 25 °C (77 °F) - slightly soluble
Log Pow	: 5.65
Log Kow	: No data available
Viscosity, kinematic	: <= 1.008 mm <sup>2</sup> /s at 20 °C (68 °F)
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: 0.87 - 2.9 % (V)

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Vapors may form explosive mixture with air.

### 10.2. Chemical stability

See storage and expiration date on CoA.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Open flame. Direct sunlight.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

May release flammable gases.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Inhalation: Harmful if inhaled.

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LC50 inhalation rat (mg/l)	23760 mg/m <sup>3</sup> male - 4 h
ATE CLP (gases)	4500.000 ppmV/4h
ATE CLP (vapors)	11.000 mg/l/4h
ATE CLP (dust, mist)	1.500 mg/l/4h
Skin corrosion/irritation, Dermal, rat	Result: Skin Irritation (Draize Test)
Additional information	: S. Typhimurium Result: negative
N-NONANE UNLABELED (111-84-2)	
LC50 inhalation rat (mg/l)	23760 mg/m <sup>3</sup> male - 4 h
ATE CLP (vapors)	11.000 mg/l/4h
Skin corrosion/irritation, Dermal, rat	Result: Skin Irritation (Draize Test)
Additional information	: S. Typhimurium Result: negative
100% BENZENE UNLABELED (71-43-2)	
LD50 oral rat	> 5960 mg/kg male (OECD Test Guideline 401)

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<b>100% BENZENE UNLABELED (71-43-2)</b>	
LD50 dermal rabbit	8263 mg/kg
LC50 inhalation rat (mg/l)	43.7 mg/m <sup>3</sup> female - 4 h
ATE CLP (dermal)	8263.000 mg/kg body weight
ATE CLP (vapors)	0.044 mg/l/4h
ATE CLP (dust, mist)	0.044 mg/l/4h
<b>3,4,4',5-TETRACB UNLABELED (70362-50-4)</b>	
Additional information	LD50 - Oral - guinea pig - 1 mg/kg
<b>DECACHLOROBIPHENYL UNLABELED (2051-24-3)</b>	
ATE CLP (oral)	500.000 mg/kg body weight
ATE CLP (dermal)	1100.000 mg/kg body weight
ATE CLP (gases)	4500.000 ppmV/4h
ATE CLP (vapors)	11.000 mg/l/4h
ATE CLP (dust, mist)	1.500 mg/l/4h
<b>ISOOCTANE UNLABELED (540-84-1)</b>	
LD50 oral rat	> 5000 mg/kg (OECD Test Guideline 401)
LD50 dermal rabbit	> 2000 mg/kg (OECD Test Guideline 402)
LC50 inhalation rat (mg/l)	> 33.52 mg/l/4h (OECD Test Guideline 403)
<b>3,4,4'-TRICB UNLABELED (38444-90-5)</b>	
ATE CLP (oral)	500.000 mg/kg body weight
<b>BENZO[A]PYRENE UNLABELED (50-32-8)</b>	
LD50 dermal rat	50 mg/kg Subcutaneous
<b>BENZO[B]FLUORANTHENE UNLABELED (205-99-2)</b>	
TDL <sub>o</sub> , oral, mouse	7.57 mg/kg Remarks: Liver: Changes in liver weight. Endocrine: Changes in thymus weight.
<b>ACENAPHTHYLENE UNLABELED (208-96-8)</b>	
LD50 oral	1760 mg/kg - Mouse Remarks: Autonomic Nervous System:Other (direct) parasymphathomimetic. Respiratory disorder Blood: Hemorrhage.
ATE CLP (oral)	500.000 mg/kg body weight
<b>BENZ[A]ANTHRACENE UNLABELED (56-55-3)</b>	
Additional information	LD50 Intravenous - Rat - > 200 mg/kg
<b>NAPHTHALENE UNLABELED (91-20-3)</b>	
LD50 oral rat	490 mg/kg
LD50 dermal rabbit	20000 mg/kg
LC50 inhalation rat (mg/l)	> 0.4 mg/l male and female - 4 h (OECD Test Guideline 403)
ATE CLP (oral)	490.000 mg/kg body weight
ATE CLP (dermal)	20000.000 mg/kg body weight
<b>DECABDE (BDE-209) UNLABELED (1163-19-5)</b>	
ATE CLP (oral)	500.000 mg/kg body weight
ATE CLP (dermal)	1100.000 mg/kg body weight
ATE CLP (gases)	4500.000 ppmV/4h
ATE CLP (vapors)	11.000 mg/l/4h
ATE CLP (dust, mist)	1.500 mg/l/4h
<b>2,2',4,4'-TETRABDE (BDE-47) UNLABELED (5436-43-1)</b>	
ATE CLP (oral)	0.500 mg/kg body weight
<b>1,2,3,4-TCDD (1746-01-6)</b>	
LD50 oral	0.013 mg/kg
LD50 dermal	0.275 mg/kg
ATE CLP (dermal)	5.000 mg/kg body weight
<b>1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN (40321-76-4)</b>	
ATE CLP (oral)	500.000 mg/kg body weight
<b>1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN (39227-28-6)</b>	
ATE CLP (oral)	500.000 mg/kg body weight
ATE CLP (dermal)	1100.000 mg/kg body weight
<b>1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN (19408-74-3)</b>	
ATE CLP (oral)	500.000 mg/kg body weight
ATE CLP (dermal)	1100.000 mg/kg body weight

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<b>1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN (19408-74-3)</b>	
ATE CLP (gases)	4500.000 ppmV/4h
ATE CLP (vapors)	11.000 mg/l/4h
ATE CLP (dust, mist)	1.500 mg/l/4h
<b>1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN (35822-46-9)</b>	
ATE CLP (oral)	500.000 mg/kg body weight
ATE CLP (dermal)	1100.000 mg/kg body weight
ATE CLP (gases)	4500.000 ppmV/4h
ATE CLP (vapors)	11.000 mg/l/4h
ATE CLP (dust, mist)	1.500 mg/l/4h
<b>1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN (3268-87-9)</b>	
ATE CLP (oral)	500.000 mg/kg body weight
ATE CLP (dermal)	1100.000 mg/kg body weight
ATE CLP (dust, mist)	1.500 mg/l/4h
<b>2,3,7,8-TETRACHLORODIBENZOFURAN (51207-31-9)</b>	
ATE CLP (oral)	500.000 mg/kg body weight
ATE CLP (dermal)	1100.000 mg/kg body weight
ATE CLP (dust, mist)	1.500 mg/l/4h
<b>1,2,3,7,8-PENTACHLORODIBENZOFURAN (57117-41-6)</b>	
ATE CLP (oral)	500.000 mg/kg body weight
<b>2,3,4,7,8-PENTACHLORODIBENZOFURAN (57117-31-4)</b>	
ATE CLP (oral)	500.000 mg/kg body weight
<b>1,2,3,4,7,8-HEXACHLORODIBENZOFURAN (70648-26-9)</b>	
ATE CLP (oral)	500.000 mg/kg body weight
ATE CLP (dermal)	1100.000 mg/kg body weight
<b>1,2,3,6,7,8-HEXACHLORODIBENZOFURAN (57117-44-9)</b>	
ATE CLP (oral)	500.000 mg/kg body weight
ATE CLP (dermal)	1100.000 mg/kg body weight
<b>1,2,3,7,8,9-HEXACHLORODIBENZOFURAN (72918-21-9)</b>	
ATE CLP (oral)	500.000 mg/kg body weight
ATE CLP (dermal)	1100.000 mg/kg body weight
ATE CLP (dust, mist)	1.500 mg/l/4h
<b>2,3,4,6,7,8-HEXACHLORODIBENZOFURAN (60851-34-5)</b>	
ATE CLP (oral)	500.000 mg/kg body weight
ATE CLP (dermal)	1100.000 mg/kg body weight
<b>1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN (67562-39-4)</b>	
ATE CLP (oral)	500.000 mg/kg body weight
ATE CLP (dermal)	1100.000 mg/kg body weight
ATE CLP (dust, mist)	1.500 mg/l/4h
<b>1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN (55673-89-7)</b>	
ATE CLP (oral)	500.000 mg/kg body weight
ATE CLP (dermal)	1100.000 mg/kg body weight
ATE CLP (dust, mist)	1.500 mg/l/4h
<b>2,4'-DDT UNLABELED (97% CHEMICAL PURITY) (789-02-6)</b>	
LD50 oral	Intraperitoneal-mouse - 1,577mg/kg Tremor,Convulsions,Seizure threshold,Excitement
ATE CLP (oral)	100.000 mg/kg body weight
<b>PHENANTHRENE UNLABELED (85-01-8)</b>	
ATE CLP (oral)	500.000 mg/kg body weight
Additional information	LD50 Oral Mouse - 700 mg/kg
<b>LINDANE UNLABELED (58-89-9)</b>	
ATE CLP (oral)	100.000 mg/kg body weight
ATE CLP (dermal)	1100.000 mg/kg body weight
ATE CLP (gases)	4500.000 ppmV/4h
ATE CLP (vapors)	11.000 mg/l/4h
ATE CLP (dust, mist)	1.500 mg/l/4h

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<b>DIELDRIN UNLABELED (60-57-1)</b>	
LD50 oral rat	38.3 mg/kg
ATE CLP (oral)	5.000 mg/kg body weight
ATE CLP (dermal)	5.000 mg/kg body weight
ATE CLP (dust, mist)	0.050 mg/l/4h
<b>MIREX UNLABELED (2385-85-5)</b>	
LD50 oral rat	235 mg/kg
ATE CLP (oral)	235.000 mg/kg body weight
ATE CLP (dermal)	300.000 mg/kg body weight
<b>PENTACHLOROBENZENE UNLABELED (608-93-5)</b>	
LD50 oral rat	1080 mg/kg
ATE CLP (oral)	1080.000 mg/kg body weight
<b>ALPHA-BHC UNLABELED (319-84-6)</b>	
LD50 oral rat	177 mg/kg
ATE CLP (oral)	177.000 mg/kg body weight
ATE CLP (dermal)	1100.000 mg/kg body weight
<b>DELTA-BHC UNLABELED (319-86-8)</b>	
LD50 oral rat	1000 mg/kg
ATE CLP (oral)	100.000 mg/kg body weight
ATE CLP (dermal)	1100.000 mg/kg body weight
<b>HEPTACHLOR UNLABELED (76-44-8)</b>	
LD50 oral rat	40 mg/kg
LD50 dermal rat	119 mg/kg
ATE CLP (oral)	40.000 mg/kg body weight
ATE CLP (dermal)	50.000 mg/kg body weight
<b>CIS-CHLORDANE(ALPHA) UNLABELED (5103-71-9)</b>	
LD50 oral rat	500 mg/kg
ATE CLP (oral)	500.000 mg/kg body weight
ATE CLP (dermal)	300.000 mg/kg body weight
ATE CLP (gases)	4500.000 ppmV/4h
ATE CLP (vapors)	11.000 mg/l/4h
ATE CLP (dust, mist)	1.500 mg/l/4h
<b>TRANS-NONACHLOR UNLABELED (39765-80-5)</b>	
LD50 oral rat	500 mg/kg
ATE CLP (oral)	500.000 mg/kg body weight
<b>CIS-NONACHLOR UNLABELED (5103-73-1)</b>	
ATE CLP (oral)	500.000 mg/kg body weight
<b>CIS-HEPTACHLOR EPOXIDE UNLABELED (1024-57-3)</b>	
LD50 oral rat	15 mg/kg
ATE CLP (oral)	15.000 mg/kg body weight
Additional information	LD50 Oral Mouse 39 mg/kg. LD50 Oral Rabbit 144 mg/kg
<b>TRANS-HEPTACHLOR EPOXIDE UNLABELED (28044-83-9)</b>	
LD50 oral rat	15 mg/kg
ATE CLP (oral)	15.000 mg/kg body weight
<b>BETA-BHC UNLABELED (319-85-7)</b>	
LD50 oral rat	6000 mg/kg
ATE CLP (oral)	100.000 mg/kg body weight
ATE CLP (dermal)	1100.000 mg/kg body weight
<b>HEXACHLOROBENZENE UNLABELED (118-74-1)</b>	
LD50 oral rat	10000 mg/kg
LC50 inhalation rat (mg/l)	3600 mg/m <sup>3</sup>
Additional information	LD50 Inhalation Mouse 4,000 mg/m <sup>3</sup> . LC50 Inhalation Rabbit 1,800 mg/m <sup>3</sup> . LD50 Oral Mouse 4,000 mg/kg. LD50 Oral rabbit 2,600 mg/kg
<b>ENDRIN UNLABELED (72-20-8)</b>	
LD50 oral rat	3 mg/kg
LD50 dermal rabbit	60 mg/kg
ATE CLP (oral)	3.000 mg/kg body weight

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<b>ENDRIN UNLABELED (72-20-8)</b>	
ATE CLP (dermal)	60.000 mg/kg body weight
<b>TRANS-CHLORDANE (GAMMA) UNLABELED (5103-74-2)</b>	
LD50 oral rat	1100 mg/kg
LD50 oral	275 mg/kg mouse
ATE CLP (oral)	1100.000 mg/kg body weight
<b>OXYCHLORDANE UNLABELED (27304-13-8)</b>	
LD50 oral rat	457 mg/kg
ATE CLP (oral)	457.000 mg/kg body weight
<b>2,4'-DDD UNLABELED (53-19-0)</b>	
LD50 oral rat	> 5000 mg/kg
<b>4,4'-DDT UNLABELED (50-29-3)</b>	
LD50 oral rat	87 mg/kg
LD50 dermal rabbit	300 mg/kg
ATE CLP (oral)	87.000 mg/kg body weight
ATE CLP (dermal)	300.000 mg/kg body weight
<b>2,4'-DDE UNLABELED (3424-82-6)</b>	
LD50 oral rat	880 mg/kg
ATE CLP (oral)	880.000 mg/kg body weight
<b>4,4'-DDD UNLABELED (72-54-8)</b>	
LD50 oral	> 5000 mg/kg - Hamster
LD50 dermal	1200 mg/kg - Rabbit. Remarks: Behavioral:Excitement. Behavioral:Convulsions or effect on seizure threshold. Skin irritation
ATE CLP (oral)	100.000 mg/kg body weight
ATE CLP (dermal)	1100.000 mg/kg body weight
TDL <sub>o</sub> Oral - Human - 428.5 mg/kg	Remarks: Endocrine: Adrenal cortex hyperplasia.
TDL <sub>o</sub> Oral - Rat - 6,000 mg/kg	Remarks: Cardiac:Other changes. Gastrointestinal:Other changes. Kidney, Ureter, Bladder:Changes in both tubules and glomeruli.
TDL <sub>o</sub> Oral - Rat - 14 mg/kg	Remarks: Liver:Changes in liver weight. Endocrine:Estrogenic. Musculoskeletal:Other changes.
TDL <sub>o</sub> Oral - Rat - 2,100 mg/kg	Remarks: Behavioral:Altered sleep time (including change in righting reflex).
<b>KEPONE (CHLORDECONE) UNLABELED (143-50-0)</b>	
LD50 oral rat	91.3 mg/kg
LD50 dermal rabbit	345 mg/kg
ATE CLP (oral)	91.300 mg/kg body weight
ATE CLP (dermal)	345.000 mg/kg body weight
<b>ALDRIN UNLABELED (309-00-2)</b>	
LD50 oral rat	39 mg/kg
ATE CLP (oral)	39.000 mg/kg body weight
ATE CLP (dermal)	5.000 mg/kg body weight
<b>ENDOSULFAN I UNLABELED (959-98-8)</b>	
ATE CLP (oral)	5.000 mg/kg body weight
ATE CLP (dermal)	1100.000 mg/kg body weight
ATE CLP (dust, mist)	0.050 mg/l/4h
<b>1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN UNLABELED (39001-02-0)</b>	
ATE CLP (oral)	5.000 mg/kg body weight
ATE CLP (dermal)	5.000 mg/kg body weight
ATE CLP (dust, mist)	0.050 mg/l/4h
<b>FLUORANTHENE UNLABELED (206-44-0)</b>	
LD50 oral rat	2000 mg/kg
LD50 dermal rabbit	3180 mg/kg
<b>ENDOSULFAN II UNLABELED (33213-65-9)</b>	
LD50 oral rat	240 mg/kg
ATE CLP (oral)	100.000 mg/kg body weight

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: May cause genetic defects (in contact with skin, if inhaled, if swallowed).



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Carcinogenicity	: May cause cancer (in contact with skin, if inhaled, if swallowed).
Reproductive toxicity	: Not classified
Specific target organ toxicity – single exposure	: May cause drowsiness or dizziness.
Specific target organ toxicity – repeated exposure	: Not classified

<b>100% BENZENE UNLABELED (71-43-2)</b>	
NOAEL (oral,rat,90 days)	100 mg/kg bodyweight/day male and female - OECD Test Guideline 408
Aspiration hazard	: May be fatal if swallowed and enters airways.
Potential Adverse human health effects and symptoms	: This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
Symptoms/effects after inhalation	: Harmful if inhaled.
Symptoms/effects after skin contact	: Causes skin irritation.
Symptoms/effects after eye contact	: Causes serious eye irritation.
Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - water : Toxic to aquatic life with long lasting effects.

<b>100% BENZENE UNLABELED (71-43-2)</b>	
LC50 fish 1	5.9 mg/l Oncorhynchus mykiss (Rainbow trout) - 96 h
EC50 Daphnia 1	17.2 mg/l Daphnia magna (Water flea) - 48 h
LC50 fish 2	15 - 32 mg/l Pimephales promelas (Fathead minnow) - 96 h
LC50 other aquatic organisms 2	230 mg/l Lepomis macrochirus (Bluegill) - 96 h
EC50 Daphnia 2	9.2 mg/l Daphnia magna (Water flea) - 48 h
ErC50 (algae)	100 mg/l Growth inhibition EC50 - Pseudokirchneriella subcapitata (Green algae) - 72 h (OECD Test Guideline 201)
LOEC (acute)	17.2 mg/l Pimephales promelas (Fathead minnow) - 7 d
NOEC (chronic)	10.2 mg/l Pimephales promelas (Fathead minnow) - 7 d

<b>3,3',4,4'-TETRACB UNLABELED (32598-13-3)</b>	
LC50 fish 1	> 0.002 mg/l Pimephales promelas (fathead minnow) - 96 h
EC50 Daphnia 1	> 0.002 mg/l Daphnia magna (Water flea) - 48 h
NOEC (chronic)	0.1 mg/l Oncorhynchus mykiss (rainbow trout) - 7 d

<b>3,4,4',5-TETRACB UNLABELED (70362-50-4)</b>	
LC50 fish 1	Pimephales promelas (fathead minnow) - 96 h
EC50 Daphnia 1	Daphnia magna (Water flea) - 48 h
NOEC (chronic)	0.1 mg/l Oncorhynchus mykiss (rainbow trout) - 7 d

<b>3,4,4'-TRICB UNLABELED (38444-90-5)</b>	
LC50 fish 1	0.034 mg/l Pimephales promelas (fathead minnow) - 96 h

<b>2,2',6,6'-TETRACB UNLABELED (15968-05-5 (Unlabeled))</b>	
LC50 fish 1	Pimephales promelas (fathead minnow) - 96 h
EC50 Daphnia 1	Daphnia magna (Water flea) - 48 h
NOEC (chronic)	0.1 mg/l Oncorhynchus mykiss (rainbow trout) - 7 d

<b>2,3,3',4,4',5,5'-HEPTACB UNLABELED (39635-31-9)</b>	
LC50 fish 1	> 0.16 mg/l Pimephales promelas (fathead minnow) - 96 h
EC50 Daphnia 1	> 0.16 mg/l Daphnia magna (Water flea) - 48 h

<b>2,3,3',4,4',5-HEXACB UNLABELED (38380-08-4)</b>	
LC50 fish 1	> 0.16 mg/l Pimephales promelas (fathead minnow) - 96 h
EC50 Daphnia 1	> 0.16 mg/l Daphnia magna (Water flea) - 48 h

<b>2',3,4,4',5-PENTACB UNLABELED (65510-44-3)</b>	
LC50 fish 1	> 0.16 mg/l Pimephales promelas (fathead minnow) - 96 h
EC50 Daphnia 1	> 0.16 mg/l Daphnia magna (Water flea) - 48 h

<b>2,3',4,4',5,5'-HEXACB UNLABELED (52663-72-6)</b>	
LC50 fish 1	> 0.16 mg/l Pimephales promelas (fathead minnow) - 96 h
EC50 Daphnia 1	> 0.16 mg/l Daphnia magna (Water flea) - 48 h

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<b>2,3,3',4,4'-PENTACB UNLABELED (32598-14-4)</b>	
LC50 fish 1	> 0.16 mg/l Pimephales promelas (fathead minnow) - 96 h
EC50 Daphnia 1	> 0.16 mg/l Daphnia magna (Water flea) - 48 h
<b>2-MONOCB UNLABELED (2051-60-7)</b>	
LC50 fish 1	0.54 mg/l Oncorhynchus mykiss (rainbow trout) - 96 h
EC50 Daphnia 1	0.71 mg/l Daphnia magna (Water flea) - 48 h
<b>4-MONOCB UNLABELED (2051-62-9)</b>	
LC50 fish 1	0.72 mg/l Oncorhynchus mykiss (rainbow trout) - 96 h
EC50 Daphnia 1	0.42 mg/l Daphnia magna (Water flea) - 48 h
<b>4,4'-DICB UNLABELED (2050-68-2)</b>	
EC50 Daphnia 1	0.45 mg/l Daphnia Magna (Water flea) - 48 h
<b>BENZO[A]PYRENE UNLABELED (50-32-8)</b>	
EC50 Daphnia 1	0.25 mg/l Daphnia magna (Water flea) - 48 h
EC50 other aquatic organisms 1	0.02 mg/l Pseudokirchneriella subcapitata (green algae) - 72 h
ErC50 (algae)	0.02 mg/l Pseudokirchneriella subcapitata (green algae) - 48 h
<b>BENZO[B]FLUORANTHENE UNLABELED (205-99-2)</b>	
EC50 Daphnia 1	> 1.024 mg/l Immobilization EC50 - Daphnia magna (Water flea) - 24 h
<b>ANTHRACENE UNLABELED (120-12-7)</b>	
LC50 fish 1	0.001 mg/l Lepomis macrochirus (Bluegill) - 96 h
EC50 Daphnia 1	0.1 mg/l Daphnia magna (Water flea) - 48 h
<b>CHRYSENE UNLABELED (218-01-9)</b>	
EC50 Daphnia 1	1.9 mg/l Daphni magna (Water flea) - 2 h
<b>NAPHTHALENE UNLABELED (91-20-3)</b>	
LC50 fish 1	7.9 mg/l flow-through test LC50 - Pimephales promelas (fathead minnow) - 96 h (OECD Test Guideline 203)
EC50 Daphnia 1	2.16 mg/l static test Daphnia magna (Water flea) - 48 h
<b>4-MONOBDE (BDE-3) UNLABELED (101-55-3)</b>	
LC50 fish 1	50.9 mg/l Lepomis macrochirus (Bluegill) - 24 h
LC50 fish 2	9.6 ppm Lepomis macrochirus (Bluegill) - 48 h
<b>2,4'-DDT UNLABELED (97% CHEMICAL PURITY) (789-02-6)</b>	
LC50 fish 1	0.03 mg/l Other fish - 24 h
<b>PHENANTHRENE UNLABELED (85-01-8)</b>	
LC50 fish 1	3.2 mg/l Oncorhynchus mykiss (rainbow trout) - 96 h
EC50 Daphnia 1	0.86 mg/l Daphnia magna (Water flea) - 24 h
EC50 Daphnia 2	0.35 mg/l Daphnia pulex (Water flea) - 48 h
ErC50 (algae)	1.2 mg/l Chlorella vulgaris (Fresh water algae) - 3 h
<b>DIBENZ[A,H]ANTHRACENE UNLABELED (53-70-3)</b>	
EC50 Daphnia 1	0.496 mg/l Daphnia magna (Water flea) - 24 h
<b>LINDANE UNLABELED (58-89-9)</b>	
LC50 fish 1	0.2 mg/l Cyprinus carpio (Carp) - 96 h
EC50 Daphnia 1	0.8 - 6.5 mg/l Daphnia magna (Water flea) - 48 h
ErC50 (algae)	4 mg/l 72 h
NOEC chronic fish	0.056 mg/l Oncorhynchus mykiss (rainbow trout) - 3 d
<b>DIELDRIN UNLABELED (60-57-1)</b>	
LC50 fish 1	1.6 mg/l Carassius auratus (goldfish) - 96 h
EC50 Daphnia 1	79.5 mg/l Daphnia magna (Water flea) - 48 h
<b>MIREX UNLABELED (2385-85-5)</b>	
LC50 fish 1	0.023 mg/l Oncorhynchus mykiss (rainbow trout) -96h
EC50 Daphnia 1	2.6 mg/l Daphnia magna (Water flea) -2.6mg/L-48h
<b>PENTACHLOROBENZENE UNLABELED (608-93-5)</b>	
LC50 fish 1	0.247 mg/l Pimephales promelas (fathead minnow) -96h
<b>ALPHA-BHC UNLABELED (319-84-6)</b>	
LC50 fish 1	0.12 mg/l Carassius auratus (Goldfish) - 48 h
LC50 other aquatic organisms 1	1.49 mg/l Other fish - 96 h
EC50 Daphnia 1	0.2 - 1.7 mg/l Daphnia magna (Water flea) - 48 h
LC50 fish 2	0.2 mg/l Cyprinus carpio (Carp) - 48 h

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<b>ALPHA-BHC UNLABELED (319-84-6)</b>	
ErC50 (algae)	> 100 mg/l No information available - 48 h
<b>DELTA-BHC UNLABELED (319-86-8)</b>	
LC50 fish 1	2.83 mg/l other fish -96h
<b>HEPTACHLOR UNLABELED (76-44-8)</b>	
LC50 fish 1	0.007 mg/l Oncorhynchus mykiss (rainbow trout) - 96 h
EC50 Daphnia 1	0.078 mg/l Daphnia magna (Water flea) - 48 h
<b>CIS-CHLORDANE(ALPHA) UNLABELED (5103-71-9)</b>	
LC50 fish 1	0.0074 mg/l Lepomis macrochirus (Bluegill) -96h
<b>TRANS-NONACHLOR UNLABELED (39765-80-5)</b>	
EC50 Daphnia 1	Daphnia pulex (Water flea) - 0.022 mg/l - 48 h
<b>CIS-HEPTACHLOR EPOXIDE UNLABELED (1024-57-3)</b>	
LC50 fish 1	0.02 mg/l Oncorhynchus mykiss (rainbow trout) -96h
EC50 Daphnia 1	0.24 mg/l Daphnia magna (Water flea) -48h
<b>BETA-BHC UNLABELED (319-85-7)</b>	
LC50 fish 1	1.6 mg/l Poecilia reticulata (guppy) -96h
<b>HEXACHLORO BENZENE UNLABELED (118-74-1)</b>	
LC50 fish 1	7.6 mg/l Lepomis macrochirus (Bluegill) -96h
EC50 Daphnia 1	> 0.005 mg/l Daphnia magna (Water flea) -48h
NOEC (chronic)	> 0.0048 mg/l Pimephales promelas (fathead minnow) -96h
<b>ENDRIN UNLABELED (72-20-8)</b>	
LC50 fish 1	< 0.001 mg/l Oncorhynchus mykiss (rainbow trout) -96h
EC50 Daphnia 1	0.02 mg/l Daphnia pulex (Water flea) -48h
Additional information	Immobilization EC50- Daphnia magna (water flea)-0.0042 mg/l-48h
<b>TRANS-CHLORDANE (GAMMA) UNLABELED (5103-74-2)</b>	
LC50 fish 1	0.05 mg/l Lepomis machrochirus - 96 h
<b>4,4'-DDT UNLABELED (50-29-3)</b>	
LC50 fish 1	0.01 mg/l Pimephales promelas (fathead minnow) - 96 h
EC50 Daphnia 1	0.00108 mg/l Daphnia magna (Water flea) - 48 h
ErC50 (algae)	> 20 mg/l Scenedesmus quadricauda (Green Algae) - 7 d
ErC50 (other aquatic plants)	113 mg/l Oncorhynchus mykiss (rainbow trout) - 3 d
NOEC (chronic)	113 mg/l Oncorhynchus mykiss (rainbow trout) - 3 d
<b>4,4'-DDD UNLABELED (72-54-8)</b>	
LC50 fish 1	0.04 - 0.05 mg/l Lepomis macrochirus (Bluegill) - 96.0 h
LC50 other aquatic organisms 1	0.06 - 0.09 mg/l - Oncorhynchus mykiss (rainbow trout) - 96.0 h
EC50 Daphnia 1	0.01 mg/l Daphnia pulex (Water flea) - 48 h
LC50 fish 2	1.18 - 9 mg/l - other fish - 96.0 h
LC50 other aquatic organisms 2	3.47 - 5.58 mg/l - Pimephales promelas (fathead minnow) - 96.0 h
<b>KEPONE (CHLORDECONE) UNLABELED (143-50-0)</b>	
LC50 fish 1	0.03 mg/l Oncorhynchus mykiss (rainbow trout) - 96 h
EC50 Daphnia 1	0.26 mg/l Daphnia magna (Water flea) - 48 h
ErC50 (algae)	0.35 µg/l Chlorococcum sp. - 7 d
<b>ALDRIN UNLABELED (309-00-2)</b>	
LC50 fish 1	0.01 mg/l Oncorhynchus mykiss (rainbow trout) - 96 h
EC50 Daphnia 1	0.03 mg/l Daphnia magna (Water flea) - 48 h
<b>ENDOSULFAN I UNLABELED (959-98-8)</b>	
LC50 fish 1	0.2 µg/l Other fish - 21 d
<b>FLUORANTHENE UNLABELED (206-44-0)</b>	
LC50 fish 1	0.0077 mg/l Oncorhynchus mykiss (rainbow trout) - 96 h
EC50 Daphnia 1	> 0.005 - 0.01 mg/l Immobilization EC50 - Daphnia magna (Water flea) - 3 d
EC50 Daphnia 2	0.78 mg/l Immobilization EC50 - Daphnia magna (Water flea) - 20 h
NOEC (acute)	560 mg/l Cyprinodon variegatus (sheepshead minnow) - 96 h
NOEC chronic crustacea	0.085 mg/l Daphnia magna (Water flea) - 48 h
<b>ENDOSULFAN II UNLABELED (33213-65-9)</b>	
LC50 fish 1	0.0066 mg/l Other fish - 96 h
EC50 Daphnia 1	0.1 - 1 mg/l Daphnia magna (Water flea) - 48 h

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### 12.2. Persistence and degradability

MULTI-FUNCTIONAL PAR SPIKE UNLABELED IN NONANE	
Persistence and degradability	May cause long-term adverse effects in the environment.
100% BENZENE UNLABELED (71-43-2)	
Persistence and degradability	Biodegradability Result: - Readily biodegradable.
Biodegradation	96 % - Readily biodegradable (OECD Test Guideline 301F) aerobic - Exposure time 28 d
DECACHLOROBIPHENYL UNLABELED (2051-24-3)	
Persistence and degradability	May cause long-term adverse effects in the environment.
BENZ[A]ANTHRACENE UNLABELED (56-55-3)	
Persistence and degradability	May cause long-term adverse effects in the environment.
NAPHTHALENE UNLABELED (91-20-3)	
Persistence and degradability	Aerobic - exposure time: 28 d. Result: 2 % - Not readily biodegradable.
PHENANTHRENE UNLABELED (85-01-8)	
Persistence and degradability	Biodegradability: Result: 55 - 95 % - Partially biodegradable.
PENTACHLOROBENZENE UNLABELED (608-93-5)	
Persistence and degradability	May cause long-term adverse effects in the environment.

### 12.3. Bioaccumulative potential

MULTI-FUNCTIONAL PAR SPIKE UNLABELED IN NONANE	
Log Pow	5.65
Bioaccumulative potential	Indication of bioaccumulation.
N-NONANE UNLABELED (111-84-2)	
Log Pow	5.65
Bioaccumulative potential	Indication of bioaccumulation.
100% BENZENE UNLABELED (71-43-2)	
BCF fish 1	0.05 mg/l <i>Leuciscus idus</i> (Golden orfe - 3 d
Bioconcentration factor (BCF REACH)	10
Log Pow	2.13 at 25 °C (77 °F)
3,3',4,4'-TETRACB UNLABELED (32598-13-3)	
Bioconcentration factor (BCF REACH)	81.5
Bioaccumulative potential	Bioaccumulation: <i>Oryzias latipes</i> - 20 d Bioconcentration factor (BCF): 81.5.
ISOCTANE UNLABELED (540-84-1)	
Log Pow	4.6
2,3',4,4',5-PENTACB UNLABELED (31508-00-6)	
Log Pow	7.12
4-MONOCB UNLABELED (2051-62-9)	
BCF fish 1	>= 0.5 mg/l <i>Oryzias latipes</i> - 20 d
Bioconcentration factor (BCF REACH)	>= 54
BENZO[A]PYRENE UNLABELED (50-32-8)	
Log Pow	5.97
Bioaccumulative potential	Bioconcentration factor (BCF): 3,208.
ANTHRACENE UNLABELED (120-12-7)	
Log Pow	4.45
BENZO[GHI]PERYLENE UNLABELED (191-24-2)	
Log Pow	6.63
CHRYSENE UNLABELED (218-01-9)	
Log Pow	5.73
FLUORENE UNLABELED (86-73-7)	
BCF fish 1	<i>Oncorhynchus mykiss</i> (rainbow trout) - 24 h
Bioconcentration factor (BCF REACH)	Bioconcentration factor (BCF): 512
NAPHTHALENE UNLABELED (91-20-3)	
Log Pow	3.4 at 25 °C (77 °F)
Bioaccumulative potential	Bioaccumulation: Fish- Bioconcentration factor (BCF): 427 - 1,158.

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<b>2,2'-DICB UNLABELED (13029-08-8)</b>	
Log Pow	4.1
<b>2,4'-DDT UNLABELED (97% CHEMICAL PURITY) (789-02-6)</b>	
Bioconcentration factor (BCF REACH)	37000 Pimephales promelas (fathead minnow) - 32 d
<b>PHENANTHRENE UNLABELED (85-01-8)</b>	
BCF fish 1	0.0025 mg/l Bioaccumulation Pimephales promelas (fathead minnow) - 28d
Bioconcentration factor (BCF REACH)	5100
Log Pow	4.46
<b>MIREX UNLABELED (2385-85-5)</b>	
Bioconcentration factor (BCF REACH)	18100
Log Pow	5.28
Bioaccumulative potential	Bioaccumulative potential: Pimephales promelas (fathead minnow)- 32d.
<b>PENTACHLOROBENZENE UNLABELED (608-93-5)</b>	
Bioaccumulative potential	Pimephales promelas (fathead minnow)-31d.
<b>ALPHA-BHC UNLABELED (319-84-6)</b>	
BCF fish 1	0.8 mg/l Other - 96 h
Bioconcentration factor (BCF REACH)	250
Log Pow	3.8
<b>DELTA-BHC UNLABELED (319-86-8)</b>	
Bioconcentration factor (BCF REACH)	326
Bioaccumulative potential	Bioaccumulation other fish-33d.
<b>HEPTACHLOR UNLABELED (76-44-8)</b>	
BCF fish 1	0.00043 mg/l Pimephales promelas (fathead minnow) - 276 d
Bioconcentration factor (BCF REACH)	23814
<b>CIS-CHLORDANE(ALPHA) UNLABELED (5103-71-9)</b>	
Bioconcentration factor (BCF REACH)	332
Bioaccumulative potential	Lepomis macrochirus (Bluegill)-24h.
<b>TRANS-NONACHLOR UNLABELED (39765-80-5)</b>	
Log Pow	6.35
<b>CIS-NONACHLOR UNLABELED (5103-73-1)</b>	
Log Pow	2.794
<b>CIS-HEPTACHLOR EPOXIDE UNLABELED (1024-57-3)</b>	
Bioconcentration factor (BCF REACH)	14400
Log Pow	5.4
Bioaccumulative potential	Bioaccumulative potential: Pimephales promelas (fathead minnow)- 32d.
<b>BETA-BHC UNLABELED (319-85-7)</b>	
Bioconcentration factor (BCF REACH)	500
Log Pow	3.78
Bioaccumulative potential	Bioaccumulative potential Cyprinus carpio (Carp)-35d-0.05 mg/l.
<b>HEXACHLOROBENZENE UNLABELED (118-74-1)</b>	
Bioconcentration factor (BCF REACH)	22000
Bioaccumulative potential	Bioaccumulative potential: Pimephales promelas (fathead minnow)- 32d.
<b>ENDRIN UNLABELED (72-20-8)</b>	
Bioconcentration factor (BCF REACH)	13000
Log Pow	5.2
Bioaccumulative potential	Pimephales promela (fathead minnow)-56d-0.63 mg/l.
<b>4,4'-DDT UNLABELED (50-29-3)</b>	
BCF fish 1	Oncorhynchus mykiss (rainbow trout) - 20 d
Bioconcentration factor (BCF REACH)	46670
Log Pow	6.91
<b>2,4'-DDE UNLABELED (3424-82-6)</b>	
Log Pow	5.58
<b>4,4'-DDD UNLABELED (72-54-8)</b>	
Log Pow	6.02
Bioaccumulative potential	Indication of bioaccumulation.

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<b>ALDRIN UNLABELED (309-00-2)</b>	
Log Pow	6.5
<b>ENDOSULFAN I UNLABELED (959-98-8)</b>	
Bioconcentration factor (BCF REACH)	10994
<b>1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN UNLABELED (39001-02-0)</b>	
Log Pow	8.6
<b>ENDOSULFAN II UNLABELED (33213-65-9)</b>	
BCF fish 1	0.0001 mg/l Other fish - 21 d
Bioconcentration factor (BCF REACH)	9908

### 12.4. Mobility in soil

### 2.5. Results of PBT and vPvB assessment

<b>BENZO[A]PYRENE UNLABELED (50-32-8)</b>	
This substance/mixture meets the PBT criteria of REACH, annex XIII	
This substance/mixture meets the vPvB criteria of REACH, annex XIII	
<b>ANTHRACENE UNLABELED (120-12-7)</b>	
This substance/mixture meets the PBT criteria of REACH, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH, annex XIII	
<b>DECABDE (BDE-209) UNLABELED (1163-19-5)</b>	
This substance/mixture meets the PBT criteria of REACH, annex XIII	
This substance/mixture meets the vPvB criteria of REACH, annex XIII	

### 12.6. Other adverse effects

Other adverse effects : Disposal must be done according to official regulations.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Waste materials should be disposed of under conditions which meet Federal, State, and local environmental control regulations.

Product/Packaging disposal recommendations : Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Ecology - waste materials : Dispose of as unused product.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

UN-No.(DOT) : 1920  
DOT NA no. UN1920

### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Nonanes  
Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120  
Hazard labels (DOT) : 3 - Flammable liquid



Packing group (DOT) : III - Minor Danger

DOT Special Provisions (49 CFR 172.102) : B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable.  
IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).  
T2 - 1.5 178.274(d)(2) Normal..... 178.275(d)(3)  
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling =  $97 / 1 + a (tr - tf)$  Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.

DOT Packaging Exceptions (49 CFR 173.xxx) : 150

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DOT Packaging Non Bulk (49 CFR 173.xxx) : 203  
DOT Packaging Bulk (49 CFR 173.xxx) : 242

### 14.3. Additional information

Other information : No supplementary information available.

#### Overland transport

Packing group (ADR) : III  
Class (ADR) : 3 - Flammable liquid  
Hazard identification number (Kemler No.) : 30  
Classification code (ADR) : F1  
Hazard labels (ADR) : 3 - Flammable liquids



Orange plates :



Tunnel restriction code (ADR) : D/E  
Limited quantities (ADR) : 5l  
EAC : 3Y  
Excepted quantities (ADR) : E1

#### Transport by sea

DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.  
MFAG-No : 128

#### Air transport

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 60 L  
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 220 L  
Civil Aeronautics Law : Flammable liquids

### 14.4. Environmental hazards

Dangerous for the environment :



Other information : No supplementary information available.

### 14.5. Special precautions for user

### 14.6. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

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Listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag : T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.

SARA Section 302 Threshold Planning Quantity (TPQ) : Not subject to reporting requirements of the United States SARA Section 302.

SARA Section 311/312 Hazard Classes : Fire hazard  
Immediate (acute) health hazard

SARA Section 313 - Emission Reporting : Not subject to reporting requirements of the United States SARA Section 313.

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<b>N-NONANE UNLABELED (111-84-2)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>100% BENZENE UNLABELED (71-43-2)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	10 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard
<b>3,3',4,4',5,5'-HEXACB UNLABELED (32774-16-6)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>3,3',4,4',5-PENTACB UNLABELED (57465-28-8)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>3,3',4,4'-TETRACB UNLABELED (32598-13-3)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>3,4,4',5-TETRACB UNLABELED (70362-50-4)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>DECACHLOROBIPHENYL UNLABELED (2051-24-3)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>ISOCTANE UNLABELED (540-84-1)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Fire hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>3,4,4'-TRICB UNLABELED (38444-90-5)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>2,2',6,6'-TETRACB UNLABELED (15968-05-5 (Unlabeled))</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>2,3,3',4,4',5,5'-HEPTACB UNLABELED (39635-31-9)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>2,3,3',4,4',5-HEXACB UNLABELED (38380-08-4)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard



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<b>2,3,3',4,4',5-HEXACB UNLABELED (38380-08-4)</b>	
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>2',3,4,4',5-PENTACB UNLABELED (65510-44-3)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>2,3',4,4',5,5'-HEXACB UNLABELED (52663-72-6)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>2,3,3',4,4',5'-HEXACB UNLABELED (69782-90-7)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>2,3,3',4,4'-PENTACB UNLABELED (32598-14-4)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>2,3,4,4',5-PENTACB UNLABELED (74472-37-0)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>2,3',4,4',5-PENTACB UNLABELED (31508-00-6)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>2-MONOCB UNLABELED (2051-60-7)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>4-MONOCB UNLABELED (2051-62-9)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>4,4'-DICB UNLABELED (2050-68-2)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>2,2',4,6,6'-PENTACB UNLABELED (56558-16-8)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>2,2',4,4',6,6'-HEXACB UNLABELED (33979-03-2)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>2,2',3,4',5,6,6'-HEPTACB UNLABELED (74487-85-7)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard

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<b>2,2',3,4',5,6,6'-HEPTACB UNLABELED (74487-85-7)</b>	
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>2,2',3,3',4,4',5,5',6-NONACB UNLABELED (40186-72-9)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>2,3,3',4,4',5,5',6-OCTACB UNLABELED (74472-53-0)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>2,2',3,3',4,5,5',6,6'-NONACB UNLABELED (52663-77-1)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>2,3',4,4',6-PENTABDE (BDE-119) UNLABELED (189084-66-0)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>2,2',4,4',5,5'-HEXABDE (BDE-153) UNLABELED (68631-49-2)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>2,2',4,4',6'-HEXABDE (BDE-155) UNLABELED (35854-94-5)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>2,2',3,4,4',5',6-HEPTABDE (BDE-183) UNLABELED (207122-16-5)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>4,4'-DIBDE (BDE-15) UNLABELED (2050-47-7)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>2,2',4,4',5,6'-HEXABDE (BDE-154) UNLABELED (207122-15-4)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>2,2',3,4,4',5,6-HEPTABDE (BDE-181) UNLABELED (189084-67-1)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>2,2',4-TRIBDE (BDE-17) UNLABELED (147217-75-2)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>3,3',4,4',5-PENTABDE (BDE-126) UNLABELED (366791-32-4)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>BENZO[A]PYRENE UNLABELED (50-32-8)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313

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<b>BENZO[B]FLUORANTHENE UNLABELED (205-99-2)</b>	
Subject to reporting requirements of United States SARA Section 313	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard
<b>ACENAPHTHYLENE UNLABELED (208-96-8)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>ANTHRACENE UNLABELED (120-12-7)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313
<b>BENZ[A]ANTHRACENE UNLABELED (56-55-3)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313
<b>BENZO[K]FLUORANTHENE UNLABELED (207-08-9)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>BENZO[GHI]PERYLENE UNLABELED (191-24-2)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>CHRYSENE UNLABELED (218-01-9)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313
<b>FLUORENE UNLABELED (86-73-7)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>INDENO[1,2,3-CD]PYRENE UNLABELED (193-39-5)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>NAPHTHALENE UNLABELED (91-20-3)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313;
<b>2,3,4,4',5,6-HEXABDE (BDE-166) UNLABELED (189084-58-0)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>2,2',3,4,4',5,5',6-OCTABDE (BDE-203) UNLABELED (337513-72-1)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313

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<b>2,3,3',4,4',5,6-HEPTABDE (BDE-190) UNLABELED (189084-68-2)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>2,2',3,3',4,4',5,6'-NONABDE (BDE-207) UNLABELED (437701-79-6)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>2,2',3,3',4,4',5,5',6'-NONABDE (BDE-206) UNLABELED (63387-28-0)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>2,4,4'-TRIBDE (BDE-28) UNLABELED (41318-75-6)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>DECABDE (BDE-209) UNLABELED (1163-19-5)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA Section 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313
<b>2,3,3',4,4',5,5',6-OCTABDE (BDE-205) UNLABELED (446255-56-7)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>4-MONOBDE (BDE-3) UNLABELED (101-55-3)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>2,3',4',6-TETRABDE (BDE-71) UNLABELED (189084-62-6)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>2,3',4,4'-TETRABDE (BDE-66) UNLABELED (189084-61-5)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>2,2',4,5'-TETRABDE (BDE-49) UNLABELED (243982-82-3)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313;
<b>2,2',4,4'-TETRABDE (BDE-47) UNLABELED (5436-43-1)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>2,4-DIBDE (BDE-7) UNLABELED (171977-44-9)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>2,2',3,4,4'-PENTABDE (BDE-85) UNLABELED (182346-21-0)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>3,3',4,4'-TETRABDE (BDE-77) UNLABELED (93703-48-1)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302

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<b>3,3',4,4'-TETRABDE (BDE-77) UNLABELED (93703-48-1)</b>	
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>2,2',4,4',5-PENTABDE (BDE-99) UNLABELED (60348-60-9)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>2,2'-DICB UNLABELED (13029-08-8)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>2,2',6-TRICB UNLABELED (38444-73-4)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>2,2',3,3',5,5',6,6'-OCTACB UNLABELED (2136-99-4)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>1,2,3,4-TCDD (1746-01-6)</b>	
Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 302 Threshold Planning Quantity (TPQ)	Subject to reporting requirements of United States SARA Section 302
SARA Section 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313
<b>1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN (40321-76-4)</b>	
Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN (39227-28-6)</b>	
Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN (19408-74-3)</b>	
Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN (35822-46-9)</b>	
Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN (3268-87-9)</b>	
Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>2,3,7,8-TETRACHLORODIBENZOFURAN (51207-31-9)</b>	
Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>1,2,3,7,8-PENTACHLORODIBENZOFURAN (57117-41-6)</b>	
Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302

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<b>1,2,3,7,8-PENTACHLORODIBENZOFURAN (57117-41-6)</b>	
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>2,3,4,7,8-PENTACHLORODIBENZOFURAN (57117-31-4)</b>	
Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>1,2,3,4,7,8-HEXACHLORODIBENZOFURAN (70648-26-9)</b>	
Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>1,2,3,6,7,8-HEXACHLORODIBENZOFURAN (57117-44-9)</b>	
Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>1,2,3,7,8,9-HEXACHLORODIBENZOFURAN (72918-21-9)</b>	
Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>2,3,4,6,7,8-HEXACHLORODIBENZOFURAN (60851-34-5)</b>	
Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN (67562-39-4)</b>	
Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN (55673-89-7)</b>	
Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>2,2',4,4',6-PENTABDE (BDE-100) UNLABELED (189084-64-8 (Unlabeled))</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>2,4'-DDT UNLABELED (97% CHEMICAL PURITY) (789-02-6)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>PHENANTHRENE UNLABELED (85-01-8)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313
<b>DIBENZ[A,H]ANTHRACENE UNLABELED (53-70-3)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of United States SARA Section 302
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313

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<b>LINDANE UNLABELED (58-89-9)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Subject to reporting requirements of United States SARA Section 302
SARA Section 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313
<b>DIELDRIN UNLABELED (60-57-1)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>MIREX UNLABELED (2385-85-5)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>PENTACHLOROBENZENE UNLABELED (608-93-5)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>ALPHA-BHC UNLABELED (319-84-6)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Subject to reporting requirements of United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313
<b>DELTA-BHC UNLABELED (319-86-8)</b>	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
<b>HEPTACHLOR UNLABELED (76-44-8)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Subject to reporting requirements of the United States SARA Section 313
<b>CIS-CHLORDANE(ALPHA) UNLABELED (5103-71-9)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>TRANS-NONACHLOR UNLABELED (39765-80-5)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>CIS-NONACHLOR UNLABELED (5103-73-1)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>CIS-HEPTACHLOR EPOXIDE UNLABELED (1024-57-3)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313

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<b>TRANS-HEPTACHLOR EPOXIDE UNLABELED (28044-83-9)</b>	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
<b>BETA-BHC UNLABELED (319-85-7)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>HEXACHLOROBENZENE UNLABELED (118-74-1)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>ENDRIN UNLABELED (72-20-8)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Listed on the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>TRANS-CHLORDANE (GAMMA) UNLABELED (5103-74-2)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>OXYCHLORDANE UNLABELED (27304-13-8)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>2,4'-DDD UNLABELED (53-19-0)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>4,4'-DDT UNLABELED (50-29-3)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>2,4'-DDE UNLABELED (3424-82-6)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>4,4'-DDD UNLABELED (72-54-8)</b>	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
<b>KEPONE (CHLORDECONE) UNLABELED (143-50-0)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>ALDRIN UNLABELED (309-00-2)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Listed on the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313



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<b>ENDOSULFAN I UNLABELED (959-98-8)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN UNLABELED (39001-02-0)</b>	
Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>FLUORANTHENE UNLABELED (206-44-0)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>ENDOSULFAN II UNLABELED (33213-65-9)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.

## 15.2. International regulations

### CANADA

<b>MULTI-FUNCTIONAL PAR SPIKE UNLABELED IN NONANE</b>	
Listed on the Canadian DSL (Domestic Substances List)	
<b>N-NONANE UNLABELED (111-84-2)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
<b>100% BENZENE UNLABELED (71-43-2)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
<b>BENZO[B]FLUORANTHENE UNLABELED (205-99-2)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
<b>1,2,3,4-TCDD (1746-01-6)</b>	
Not listed on the Canadian DSL (Domestic Substances List)	

### 15.2.1. National regulations

<b>100% BENZENE UNLABELED (71-43-2)</b>	
Listed on IARC (International Agency for Research on Cancer) Listed as carcinogen on NTP (National Toxicology Program)	
<b>1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN UNLABELED (39001-02-0)</b>	

## 15.3. US State regulations

<b>MULTI-FUNCTIONAL PAR SPIKE UNLABELED IN NONANE()</b>				
U.S. - California - Proposition 65 - Carcinogens List	No			
U.S. - California - Proposition 65 - Developmental Toxicity	No			
U.S. - California - Proposition 65 - Reproductive Toxicity - Female	No			
U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No			
State or local regulations	U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations RTK - U.S. - New Jersey - Right to Know Hazardous Substance List RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances			
<b>N-NONANE UNLABELED (111-84-2)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	

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<b>100% BENZENE UNLABELED (71-43-2)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	No	Yes	
<b>3,3',4,4',5,5'-HEXACB UNLABELED (32774-16-6)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	Yes	Yes	
<b>3,3',4,4',5-PENTACB UNLABELED (57465-28-8)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	Yes	Yes	
<b>3,3',4,4'-TETRACB UNLABELED (32598-13-3)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	Yes	Yes	
<b>3,4,4',5-TETRACB UNLABELED (70362-50-4)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	Yes	Yes	
<b>DECACHLOROBIPHENYL UNLABELED (2051-24-3)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	No	No	
<b>ISOCTANE UNLABELED (540-84-1)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>3,4,4'-TRICB UNLABELED (38444-90-5)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	Yes	Yes	
<b>2,2',6,6'-TETRACB UNLABELED (15968-05-5 (Unlabeled))</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>2,3,3',4,4',5,5'-HEPTACB UNLABELED (39635-31-9)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)

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<b>2,3,3',4,4',5,5'-HEPTACB UNLABELED (39635-31-9)</b>				
Yes	Yes	No	No	
<b>2,3,3',4,4',5-HEXACB UNLABELED (38380-08-4)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	Yes	Yes	
<b>2',3,4,4',5-PENTACB UNLABELED (65510-44-3)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	Yes	Yes	
<b>2,3',4,4',5,5'-HEXACB UNLABELED (52663-72-6)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	Yes	Yes	
<b>2,3,3',4,4',5-HEXACB UNLABELED (69782-90-7)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	Yes	Yes	
<b>2,3,3',4,4'-PENTACB UNLABELED (32598-14-4)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	Yes	Yes	
<b>2,3,4,4',5-PENTACB UNLABELED (74472-37-0)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	Yes	Yes	
<b>2,3',4,4',5-PENTACB UNLABELED (31508-00-6)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	Yes	Yes	
<b>2-MONO CB UNLABELED (2051-60-7)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	Yes	Yes	
<b>4-MONO CB UNLABELED (2051-62-9)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	Yes	Yes	

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<b>4,4'-DICB UNLABELED (2050-68-2)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	Yes	Yes	
<b>2,2',4,6'-PENTACB UNLABELED (56558-16-8)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	Yes	Yes	
<b>2,2',4,4',6,6'-HEXACB UNLABELED (33979-03-2)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	Yes	Yes	
<b>2,2',3,4',5,6,6'-HEPTACB UNLABELED (74487-85-7)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	No	No	
<b>2,2',3,3',4,4',5,5',6-NONACB UNLABELED (40186-72-9)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	Yes	Yes	
<b>2,3,3',4,4',5,5',6-OCTACB UNLABELED (74472-53-0)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	Yes	Yes	
<b>2,2',3,3',4,5,5',6,6'-NONACB UNLABELED (52663-77-1)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	Yes	Yes	
<b>2,3',4,4',6-PENTABDE (BDE-119) UNLABELED (189084-66-0)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>2,2',4,4',5,5'-HEXABDE (BDE-153) UNLABELED (68631-49-2)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>2,2',4,4',6,6'-HEXABDE (BDE-155) UNLABELED (35854-94-5)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)

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<b>2,2',4,4',6,6'-HEXABDE (BDE-155) UNLABELED (35854-94-5)</b>				
No	No	No	No	
<b>2,2',3,4,4',5,6-HEPTABDE (BDE-183) UNLABELED (207122-16-5)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>4,4'-DIBDE (BDE-15) UNLABELED (2050-47-7)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>2,2',4,4',5,6'-HEXABDE (BDE-154) UNLABELED (207122-15-4)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>2,2',3,4,4',5,6-HEPTABDE (BDE-181) UNLABELED (189084-67-1)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>2,2',4-TRIBDE (BDE-17) UNLABELED (147217-75-2)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>3,3',4,4',5-PENTABDE (BDE-126) UNLABELED (366791-32-4)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>BENZO[A]PYRENE UNLABELED (50-32-8)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	
<b>BENZO[B]FLUORANTHENE UNLABELED (205-99-2)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	
<b>ACENAPHTHYLENE UNLABELED (208-96-8)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	

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<b>ANTHRACENE UNLABELED (120-12-7)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	
<b>BENZ[A]ANTHRACENE UNLABELED (56-55-3)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	
<b>BENZO[K]FLUORANTHENE UNLABELED (207-08-9)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	
<b>BENZO[GHI]PERYLENE UNLABELED (191-24-2)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>CHRYSENE UNLABELED (218-01-9)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	
<b>FLUORENE UNLABELED (86-73-7)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>INDENO[1,2,3-CD]PYRENE UNLABELED (193-39-5)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	
<b>NAPHTHALENE UNLABELED (91-20-3)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	
<b>2,3,4,4',5,6-HEXABDE (BDE-166) UNLABELED (189084-58-0)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>2,2',3,4,4',5,5',6-OCTABDE (BDE-203) UNLABELED (337513-72-1)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)

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<b>2,2',3,4,4',5,5',6-OCTABDE (BDE-203) UNLABELED (337513-72-1)</b>				
No	No	No	No	
<b>2,3,3',4,4',5,6-HEPTABDE (BDE-190) UNLABELED (189084-68-2)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>2,2',3,3',4,4',5,6,6'-NONABDE (BDE-207) UNLABELED (437701-79-6)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>2,2',3,3',4,4',5,5',6'-NONABDE (BDE-206) UNLABELED (63387-28-0)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>2,4,4'-TRIBDE (BDE-28) UNLABELED (41318-75-6)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>DECABDE (BDE-209) UNLABELED (1163-19-5)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>2,3,3',4,4',5,5',6-OCTABDE (BDE-205) UNLABELED (446255-56-7)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>4-MONOBDE (BDE-3) UNLABELED (101-55-3)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>2,3',4',6-TETRABDE (BDE-71) UNLABELED (189084-62-6)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>2,3',4,4'-TETRABDE (BDE-66) UNLABELED (189084-61-5)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	

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<b>2,2',4,5'-TETRABDE (BDE-49) UNLABELED (243982-82-3)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>2,2',4,4'-TETRABDE (BDE-47) UNLABELED (5436-43-1)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>2,4-DIBDE (BDE-7) UNLABELED (171977-44-9)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>2,2',3,4,4'-PENTABDE (BDE-85) UNLABELED (182346-21-0)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>3,3',4,4'-TETRABDE (BDE-77) UNLABELED (93703-48-1)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>2,2',4,4',5-PENTABDE (BDE-99) UNLABELED (60348-60-9)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>2,2'-DICB UNLABELED (13029-08-8)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	Yes	Yes	
<b>2,2',6-TRICB UNLABELED (38444-73-4)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	No	No	
<b>2,2',3,3',5,5',6,6'-OCTACB UNLABELED (2136-99-4)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	No	No	
<b>1,2,3,4-TCDD (1746-01-6)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)



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<b>1,2,3,4-TCDD (1746-01-6)</b>				
Yes	No	No	No	
<b>1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN (40321-76-4)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN (39227-28-6)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN (19408-74-3)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	
<b>1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN (35822-46-9)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN (3268-87-9)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>2,3,7,8-TETRACHLORODIBENZOFURAN (51207-31-9)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	
<b>1,2,3,7,8-PENTACHLORODIBENZOFURAN (57117-41-6)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	
<b>2,3,4,7,8-PENTACHLORODIBENZOFURAN (57117-31-4)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>1,2,3,4,7,8-HEXACHLORODIBENZOFURAN (70648-26-9)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	

# MULTI-FUNCTIONAL PAR SPIKE UNLABELED IN NONANE

ES-5521

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<b>1,2,3,6,7,8-HEXACHLORODIBENZOFURAN (57117-44-9)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	
<b>1,2,3,7,8,9-HEXACHLORODIBENZOFURAN (72918-21-9)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	
<b>2,3,4,6,7,8-HEXACHLORODIBENZOFURAN (60851-34-5)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	
<b>1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN (67562-39-4)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN (55673-89-7)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>2,2',4,4',6-PENTABDE (BDE-100) UNLABELED (189084-64-8 (Unlabeled))</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>2,4'-DDT UNLABELED (97% CHEMICAL PURITY) (789-02-6)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	Yes	Yes	Yes	
<b>PHENANTHRENE UNLABELED (85-01-8)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	Yes	Yes	Yes	
<b>DIBENZ[A,H]ANTHRACENE UNLABELED (53-70-3)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	
<b>LINDANE UNLABELED (58-89-9)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)

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<b>LINDANE UNLABELED (58-89-9)</b>				
No	No	No	No	
<b>DIELDRIN UNLABELED (60-57-1)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	
<b>MIREX UNLABELED (2385-85-5)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	
<b>PENTACHLOROBENZENE UNLABELED (608-93-5)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>ALPHA-BHC UNLABELED (319-84-6)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	
<b>DELTA-BHC UNLABELED (319-86-8)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>HEPTACHLOR UNLABELED (76-44-8)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	Yes	Yes	
<b>CIS-CHLORDANE(ALPHA) UNLABELED (5103-71-9)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>TRANS-NONACHLOR UNLABELED (39765-80-5)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>CIS-NONACHLOR UNLABELED (5103-73-1)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	

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<b>CIS-HEPTACHLOR EPOXIDE UNLABELED (1024-57-3)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	
<b>TRANS-HEPTACHLOR EPOXIDE UNLABELED (28044-83-9)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>BETA-BHC UNLABELED (319-85-7)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>HEXACHLOROBENZENE UNLABELED (118-74-1)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	Yes	Yes	
<b>ENDRIN UNLABELED (72-20-8)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	Yes	Yes	Yes	
<b>TRANS-CHLORDANE (GAMMA) UNLABELED (5103-74-2)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	
<b>OXYCHLORDANE UNLABELED (27304-13-8)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>2,4'-DDD UNLABELED (53-19-0)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>4,4'-DDT UNLABELED (50-29-3)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	Yes	Yes	
<b>2,4'-DDE UNLABELED (3424-82-6)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)

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<b>2,4'-DDE UNLABELED (3424-82-6)</b>				
No	No	No	No	
<b>4,4'-DDD UNLABELED (72-54-8)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	
<b>KEPONE (CHLORDECONE) UNLABELED (143-50-0)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	Yes	Yes	Yes	
<b>ALDRIN UNLABELED (309-00-2)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	
<b>ENDOSULFAN I UNLABELED (959-98-8)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN UNLABELED (39001-02-0)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>1,2,3,6,7,8-HXCDD UNLABELED (57653-85-7)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	
<b>FLUORANTHENE UNLABELED (206-44-0)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>ENDOSULFAN II UNLABELED (33213-65-9)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>N-NONANE UNLABELED (111-84-2)</b>				
<b>State or local regulations</b>				
U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations RTK - U.S. - New Jersey - Right to Know Hazardous Substance List RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances				

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<b>100% BENZENE UNLABELED (71-43-2)</b>
<b>State or local regulations</b>
U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities U.S. - Idaho - Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances U.S. - West Virginia - Air Quality - Toxic Air Pollutant Emission Limits
<b>3,3',4,4',5,5'-HEXACB UNLABELED (32774-16-6)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>3,3',4,4',5-PENTACB UNLABELED (57465-28-8)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>3,3',4,4'-TETRACB UNLABELED (32598-13-3)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>3,4,4',5-TETRACB UNLABELED (70362-50-4)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>DECACHLOROBIPHENYL UNLABELED (2051-24-3)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>ISOCTANE UNLABELED (540-84-1)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>3,4,4'-TRICB UNLABELED (38444-90-5)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,2',6,6'-TETRACB UNLABELED (15968-05-5 (Unlabeled))</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,3,3',4,4',5,5'-HEPTACB UNLABELED (39635-31-9)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,3,3',4,4',5-HEXACB UNLABELED (38380-08-4)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2',3,4,4',5-PENTACB UNLABELED (65510-44-3)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List

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<b>2,3',4,4',5,5'-HEXACB UNLABELED (52663-72-6)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,3,3',4,4',5'-HEXACB UNLABELED (69782-90-7)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,3,3',4,4'-PENTACB UNLABELED (32598-14-4)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,3,4,4',5-PENTACB UNLABELED (74472-37-0)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,3',4,4',5-PENTACB UNLABELED (31508-00-6)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2-MONOCB UNLABELED (2051-60-7)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>4-MONOCB UNLABELED (2051-62-9)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>4,4'-DICB UNLABELED (2050-68-2)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,2',4,6,6'-PENTACB UNLABELED (56558-16-8)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,2',4,4',6,6'-HEXACB UNLABELED (33979-03-2)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,2',3,4',5,6,6'-HEPTACB UNLABELED (74487-85-7)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,2',3,3',4,4',5,5',6-NONACB UNLABELED (40186-72-9)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,3,3',4,4',5,5',6-OCTACB UNLABELED (74472-53-0)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List

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<b>2,2',3,3',4,5,5',6,6'-NONACB UNLABELED (52663-77-1)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,3',4,4',6-PENTABDE (BDE-119) UNLABELED (189084-66-0)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,2',4,4',5,5'-HEXABDE (BDE-153) UNLABELED (68631-49-2)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,2',4,4',6,6'-HEXABDE (BDE-155) UNLABELED (35854-94-5)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,2',3,4,4',5,6-HEPTABDE (BDE-183) UNLABELED (207122-16-5)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>4,4'-DIBDE (BDE-15) UNLABELED (2050-47-7)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,2',4,4',5,6'-HEXABDE (BDE-154) UNLABELED (207122-15-4)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,2',3,4,4',5,6-HEPTABDE (BDE-181) UNLABELED (189084-67-1)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,2',4-TRIBDE (BDE-17) UNLABELED (147217-75-2)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>3,3',4,4',5-PENTABDE (BDE-126) UNLABELED (366791-32-4)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>BENZO[A]PYRENE UNLABELED (50-32-8)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List



# MULTI-FUNCTIONAL PAR SPIKE UNLABELED IN NONANE

ES-5521

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<b>BENZO[B]FLUORANTHENE UNLABELED (205-99-2)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>ACENAPHTHYLENE UNLABELED (208-96-8)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List RTK - U.S. - Pennsylvania - RTK (Right to Know) List
<b>ANTHRACENE UNLABELED (120-12-7)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>BENZ[A]ANTHRACENE UNLABELED (56-55-3)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List RTK - U.S. - Massachusetts - Right To Know List
<b>BENZO[K]FLUORANTHENE UNLABELED (207-08-9)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>BENZO[GHI]PERYLENE UNLABELED (191-24-2)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List RTK - U.S. - Pennsylvania - RTK (Right to Know) List
<b>CHRYSENE UNLABELED (218-01-9)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>FLUORENE UNLABELED (86-73-7)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>INDENO[1,2,3-CD]PYRENE UNLABELED (193-39-5)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>NAPHTHALENE UNLABELED (91-20-3)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,3,4,4',5,6-HEXABDE (BDE-166) UNLABELED (189084-58-0)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List

# MULTI-FUNCTIONAL PAR SPIKE UNLABELED IN NONANE

ES-5521

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<b>2,2',3,4,4',5,5',6-OCTABDE (BDE-203) UNLABELED (337513-72-1)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,3,3',4,4',5,6-HEPTABDE (BDE-190) UNLABELED (189084-68-2)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,2',3,3',4,4',5,6,6'-NONABDE (BDE-207) UNLABELED (437701-79-6)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,2',3,3',4,4',5,5',6-NONABDE (BDE-206) UNLABELED (63387-28-0)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,4,4'-TRIBDE (BDE-28) UNLABELED (41318-75-6)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>DECABDE (BDE-209) UNLABELED (1163-19-5)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List RTK - U.S. - Pennsylvania - RTK (Right to Know) List
<b>2,3,3',4,4',5,5',6-OCTABDE (BDE-205) UNLABELED (446255-56-7)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>4-MONOBDE (BDE-3) UNLABELED (101-55-3)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,3',4',6-TETRABDE (BDE-71) UNLABELED (189084-62-6)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,3',4,4'-TETRABDE (BDE-66) UNLABELED (189084-61-5)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,2',4,5'-TETRABDE (BDE-49) UNLABELED (243982-82-3)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List

# MULTI-FUNCTIONAL PAR SPIKE UNLABELED IN NONANE

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<b>2,2',4,4'-TETRABDE (BDE-47) UNLABELED (5436-43-1)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,4-DIBDE (BDE-7) UNLABELED (171977-44-9)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,2',3,4,4'-PENTABDE (BDE-85) UNLABELED (182346-21-0)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>3,3',4,4'-TETRABDE (BDE-77) UNLABELED (93703-48-1)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,2',4,4',5-PENTABDE (BDE-99) UNLABELED (60348-60-9)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,2'-DICB UNLABELED (13029-08-8)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,2',6-TRICB UNLABELED (38444-73-4)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,2',3,3',5,5',6,6'-OCTACB UNLABELED (2136-99-4)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>1,2,3,4-TCDD (1746-01-6)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - Massachusetts - Right To Know List
<b>1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN (40321-76-4)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN (39227-28-6)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN (19408-74-3)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List

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<b>1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN (35822-46-9)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN (3268-87-9)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,3,7,8-TETRACHLORODIBENZOFURAN (51207-31-9)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>1,2,3,7,8-PENTACHLORODIBENZOFURAN (57117-41-6)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,3,4,7,8-PENTACHLORODIBENZOFURAN (57117-31-4)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>1,2,3,4,7,8-HEXACHLORODIBENZOFURAN (70648-26-9)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>1,2,3,6,7,8-HEXACHLORODIBENZOFURAN (57117-44-9)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>1,2,3,7,8,9-HEXACHLORODIBENZOFURAN (72918-21-9)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,3,4,6,7,8-HEXACHLORODIBENZOFURAN (60851-34-5)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN (67562-39-4)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN (55673-89-7)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,2',4,4',6-PENTABDE (BDE-100) UNLABELED (189084-64-8 (Unlabeled))</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,4'-DDT UNLABELED (97% CHEMICAL PURITY) (789-02-6)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List

# MULTI-FUNCTIONAL PAR SPIKE UNLABELED IN NONANE

ES-5521

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 2,4'-DDT UNLABELED (97% CHEMICAL PURITY) (789-02-6)

RTK - U.S. - New Jersey - Right to Know Hazardous Substance List

### PHENANTHRENE UNLABELED (85-01-8)

#### State or local regulations

RTK - U.S. - Massachusetts - Right To Know List  
RTK - U.S. - Pennsylvania - RTK (Right to Know) List  
RTK - U.S. - New Jersey - Right to Know Hazardous Substance List

### DIBENZ[A,H]ANTHRACENE UNLABELED (53-70-3)

#### State or local regulations

RTK - U.S. - Massachusetts - Right To Know List  
RTK - U.S. - Pennsylvania - RTK (Right to Know) List  
RTK - U.S. - New Jersey - Right to Know Hazardous Substance List

### LINDANE UNLABELED (58-89-9)

#### State or local regulations

RTK - U.S. - Pennsylvania - RTK (Right to Know) List  
RTK - U.S. - New Jersey - Right to Know Hazardous Substance List

### DIELDRIN UNLABELED (60-57-1)

#### State or local regulations

RTK - U.S. - Massachusetts - Right To Know List  
RTK - U.S. - Pennsylvania - RTK (Right to Know) List  
RTK - U.S. - New Jersey - Right to Know Hazardous Substance List

### MIREX UNLABELED (2385-85-5)

#### State or local regulations

RTK - U.S. - Massachusetts - Right To Know List  
RTK - U.S. - Pennsylvania - RTK (Right to Know) List  
RTK - U.S. - New Jersey - Right to Know Hazardous Substance List

### PENTACHLOROBENZENE UNLABELED (608-93-5)

#### State or local regulations

RTK - U.S. - Massachusetts - Right To Know List  
RTK - U.S. - Pennsylvania - RTK (Right to Know) List  
RTK - U.S. - New Jersey - Right to Know Hazardous Substance List

### ALPHA-BHC UNLABELED (319-84-6)

#### State or local regulations

RTK - U.S. - Massachusetts - Right To Know List  
RTK - U.S. - Pennsylvania - RTK (Right to Know) List  
RTK - U.S. - New Jersey - Right to Know Hazardous Substance List

### DELTA-BHC UNLABELED (319-86-8)

#### State or local regulations

RTK - U.S. - Massachusetts - Right To Know List  
RTK - U.S. - Pennsylvania - RTK (Right to Know) List  
RTK - U.S. - New Jersey - Right to Know Hazardous Substance List

### HEPTACHLOR UNLABELED (76-44-8)

#### State or local regulations

RTK - U.S. - Massachusetts - Right To Know List  
RTK - U.S. - Pennsylvania - RTK (Right to Know) List  
RTK - U.S. - New Jersey - Right to Know Hazardous Substance List

### CIS-CHLORDANE(ALPHA) UNLABELED (5103-71-9)

#### State or local regulations

RTK - U.S. - Pennsylvania - RTK (Right to Know) List  
RTK - U.S. - New Jersey - Right to Know Hazardous Substance List

### TRANS-NONACHLOR UNLABELED (39765-80-5)

#### State or local regulations

RTK - U.S. - Pennsylvania - RTK (Right to Know) List  
RTK - U.S. - New Jersey - Right to Know Hazardous Substance List

# MULTI-FUNCTIONAL PAR SPIKE UNLABELED IN NONANE

ES-5521

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<b>CIS-NONACHLOR UNLABELED (5103-73-1)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>CIS-HEPTACHLOR EPOXIDE UNLABELED (1024-57-3)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List RTK - U.S. - Massachusetts - Right To Know List
<b>TRANS-HEPTACHLOR EPOXIDE UNLABELED (28044-83-9)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>BETA-BHC UNLABELED (319-85-7)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>HEXACHLOROBENZENE UNLABELED (118-74-1)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>ENDRIN UNLABELED (72-20-8)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>TRANS-CHLORDANE (GAMMA) UNLABELED (5103-74-2)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>OXYCHLORDANE UNLABELED (27304-13-8)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,4'-DDD UNLABELED (53-19-0)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>4,4'-DDT UNLABELED (50-29-3)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2,4'-DDE UNLABELED (3424-82-6)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>4,4'-DDD UNLABELED (72-54-8)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<b>KEPONE (CHLORDECONE) UNLABELED (143-50-0)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>ALDRIN UNLABELED (309-00-2)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>ENDOSULFAN I UNLABELED (959-98-8)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>1,2,3,6,7,8-HXCDD UNLABELED (57653-85-7)</b>
<b>State or local regulations</b>
RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>FLUORANTHENE UNLABELED (206-44-0)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
<b>ENDOSULFAN II UNLABELED (33213-65-9)</b>
<b>State or local regulations</b>
RTK - U.S. - Massachusetts - Right To Know List RTK - U.S. - Pennsylvania - RTK (Right to Know) List RTK - U.S. - New Jersey - Right to Know Hazardous Substance List

## SECTION 16: Other information

Other information : This product is not radioactive. The data given for this product are those of the corresponding unlabeled compound, unless specifically indicated otherwise. Health and safety data for labeled compounds are generally not available, but are assumed to be similar or identical to the corresponding unlabeled compound.

Full text of R-, H- and EUH-phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 1 (Oral)	Acute toxicity (oral) Category 1
Acute Tox. 2 (Dermal)	Acute toxicity (dermal) Category 2
Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 2 (Oral)	Acute toxicity (oral) Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 4	Hazardous to the aquatic environment - Chronic Hazard Category 4
Asp. Tox. 1	Aspiration hazard Category 1
Carc. 1A	Carcinogenicity Category 1A
Carc. 1B	Carcinogenicity (inhalation) Category 1B

# MULTI-FUNCTIONAL PAR SPIKE UNLABELED IN NONANE

ES-5521

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Carc. 1B	Carcinogenicity Category 1B
Carc. 2	Carcinogenicity Category 2
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 3	Flammable liquids Category 3
Flam. Sol. 1	Flammable solids Category 1
Lact.	Reproductive toxicity (Lact.)
Muta. 1B	Germ cell mutagenicity Category 1B
Muta. 2	Germ cell mutagenicity Category 2
Repr. 1A	Reproductive toxicity Category 1A
Repr. 1B	Reproductive toxicity Category 1B
Repr. 2	Reproductive toxicity Category 2
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization, Category 1
STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
STOT SE 1	Specific target organ toxicity (single exposure) Category 1
STOT SE 2	Specific target organ toxicity (single exposure) Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H228	Flammable solid
H300	Fatal if swallowed
H301	Toxic if swallowed
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H312	Harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H330	Fatal if inhaled
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H340	May cause genetic defects
H341	Suspected of causing genetic defects
H350	May cause cancer
H350i	May cause cancer by inhalation.
H351	Suspected of causing cancer
H360	May damage fertility or the unborn child
H361	Suspected of damaging fertility or the unborn child
H362	May cause harm to breast-fed children
H370	Causes damage to organs
H371	May cause damage to organs
H372	Causes damage to organs through prolonged or repeated exposure
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H413	May cause long lasting harmful effects to aquatic life
R10	Flammable
R11	Highly flammable
R20	Harmful by inhalation
R20/21	Harmful by inhalation and in contact with skin
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R21	Harmful in contact with skin
R21/22	Harmful in contact with skin and if swallowed
R22	Harmful if swallowed
R24	Toxic in contact with skin
R24/25	Toxic in contact with skin and if swallowed



# MULTI-FUNCTIONAL PAR SPIKE UNLABELED IN NONANE

ES-5521

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

R25	Toxic if swallowed
R26	Very toxic by inhalation
R26/27/28	Very toxic by inhalation, in contact with skin and if swallowed
R26/28	Very toxic by inhalation and if swallowed
R27	Very toxic in contact with skin
R27/28	Very toxic in contact with skin and if swallowed
R28	Very toxic if swallowed
R33	Danger of cumulative effects
R36/37/38	Irritating to eyes, respiratory system and skin
R36/38	Irritating to eyes and skin
R37	Irritating to respiratory system
R37/38	Irritating to respiratory system and skin
R38	Irritating to skin
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed
R40	Limited evidence of a carcinogenic effect
R41	Risk of serious damage to eyes
R43	May cause sensitization by skin contact
R45	May cause cancer
R46	May cause heritable genetic damage
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation
R48/20/21/22	Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed
R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed
R48/25	Toxic: danger of serious damage to health by prolonged exposure if swallowed
R49	May cause cancer by inhalation
R50	Very toxic to aquatic organisms
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R53	May cause long-term adverse effects in the aquatic environment
R60	May impair fertility
R61	May cause harm to the unborn child
R64	May cause harm to breastfed babies
R65	Harmful: may cause lung damage if swallowed
R67	Vapors may cause drowsiness and dizziness
R68	Possible risk of irreversible effects
F	Highly flammable
N	Dangerous for the environment
T	Toxic
T+	Very toxic
Xi	Irritant
Xn	Harmful

NFPA health hazard

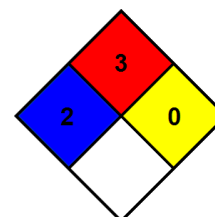
: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard

: 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions.

NFPA reactivity

: 0 - Material that in themselves are normally stable, even under fire conditions.



### Hazard Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur

Flammability : 3 Serious Hazard

Physical : 0 Minimal Hazard

CIL Mixture SDS

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*