

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 Date of issue: 12/03/2019 Revision date: : Version: 1.0 ES-5621

SECTION 1: Identification of the a	ubstance/mixture and of the company/undertaking
1.1. Product identification of the S	ubstance/mixture and of the company/undertaking
Product form	: Mixtures
Product name	: JECS PCB/POPS/PBDE CLEANUP SPIKE (13C, 99%) IN METHANOL
Product code	: ES-5621
1.2. Relevant identified uses of the s	ubstance 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 safe	ety 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 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	n
2.1. Classification of the substance of	or mixture
Classification according to Regulation (EC	C) No. 1272/2008 [CLP]
Flam. Liq. 2 H225	
Acute Tox. 3 (Oral) H301	
Acute Tox. 3 (Dermal) H311	
Acute Tox. 3 (Inhalation:vapour) H331	
Skin Irrit. 2 H315	
Eye Irrit. 2A H319	
STOT SE 1 H370	
Full text of hazard classes and H-statements	: see section 16
Classification according to Directive 67/54	18/EEC [DSD] or 1999/45/EC [DPD]
F; R11 T; R39/23/24/25 Xi; R36/38	
Full text of R-phrases: see section 16	

GHS-US classification

Full text of H statements : see section 16

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Adverse physicochemical, human health and environmental effects

Eyes, Kidney, Liver, Heart, Central nervous system. Highly flammable liquid and vapor. Causes damage to organs (eyes, kidneys, liver, heart, central nervous system) (if inhaled, if swallowed, in contact with skin). Toxic in contact with skin. Toxic if inhaled. Toxic if swallowed. Causes skin irritation. Causes serious eye irritation.

2.2. Label elements	
Labeling according to Regulation (EC) N	lo. 1272/2008 [CLP]
Hazard pictograms (CLP)	
	GHS02 GHS08 GHS06
Signal word (CLP)	: Danger
Hazard statements (CLP)	 H225 - Highly flammable liquid and vapor H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled H315 - Causes skin irritation H319 - Causes serious eye irritation H370 - Causes damage to organs (eyes, heart, kidneys, liver, central nervous system) (in contact with skin, if inhaled, if swallowed)
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 P260 - Do not breathe dust, mist, vapors, fume, gas, spray. P264 - Wash hands, forearms and face thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area.
GHS-US labeling	
Hazard pictograms (GHS-US)	HS02 GHS08 GHS06
Signal word (GHS-US)	: Danger
Hazard statements (GHS-US)	: H225 - Highly flammable liquid and vapor
	H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled H315 - Causes skin irritation
	H319 - Causes serious eye irritation H370 - Causes damage to organs (eyes, kidneys, liver, heart, central nervous system) (Dermal Inhalation, oral)
Precautionary statements (GHS-US)	: P210 - Keep away from heat, open flames, sparks No smoking.
	P233 - Keep container tightly closed. P240 - Ground/Bond container and receiving equipment
	P240 - Glouin/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.
	P243 - Take precautionary measures against static discharge. P260 - Do not breathe dust, fume, mist, gas, spray, vapors.
	P261 - Avoid breathing dust, fume, gas, spray, vapors, mist.
	P264 - Wash hands, forearms and face thoroughly after handling. P270 - Do not eat, drink or smoke when using this product.
	P271 - Use only outdoors or in a well-ventilated area.
	P280 - Wear protective clothing, protective gloves.
	P301+P310 - If swallowed: Immediately call a doctor, a POISON CENTER 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 contac lenses, if present and easy to do. Continue rinsing P307+P311 - If exposed: Call a poison center/doctor
	P311 - Call a doctor, a POISON CENTER
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- P312 Call a doctor, a POISON CENTER if you feel unwell
 P321 Specific treatment (see Hazardous component(s) for labeling on this label)
 P322 Specific treatment (see Hazard pictograms (CLP) on this label)
 P330 Rinse mouth.
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P361+P364 Take off immediately all contaminated clothing and wash it before reuse.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P370+P378 In case of fire: Use alcohol resistant foam, carbon dioxide (CO2), dry extinguishing powder to extinguish.
 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 hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards

PBT: not relevant - no registration required

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

Name	Product identifier	%	Classification according to
			Directive 67/548/EEC
100% METHANOL UNLABELED	(CAS-No.) 67-56-1 (EC-No.) 200-659-6 (EC Index-No.) 603-001-00-X (REACH-no) 01-2119433307-44	99.545408	F; R11 T; R39/23/24/25 Xi; R36/38
N-NONANE UNLABELED	(CAS-No.) 111-84-2 (EC-No.) 203-913-4	0.45456356	R10 Xn; R20 Xn; R65 Xi; R36/38 R67
OXYCHLORDANE (13C10, 99%)	(CAS-No.) 27304-13-8 (Unlabeled)	0.00000316	Carc.Cat.3; R40 T; R25 N; R50/53
2,2',4,4'-TETRABDE (BDE-47) (13C12, 99%)	(CAS-No.) 5436-43-1 (Unlabeled)	0.00000316	Xn; R20/21/22
2,2',4,4',5-PENTABDE (BDE-99) (13C12, 99%)	(CAS-No.) 60348-60-9 (Unlabeled)	0.00000316	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R22 Xi; R41 Xi; R37 Xi; R38 N; R51/53
2,2',4,4',5,5'-HEXABDE (BDE-153) (13C12, 99%)	(CAS-No.) 68631-49-2 (Unlabeled)	0.00000316	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R22 Xi; R41 Xi; R37 Xi; R38 N; R51/53
HEXACHLOROBENZENE (13C6, 99%)	(CAS-No.) 93952-14-8 (EC-No.) 204-273-9 (Unlabeled) (EC Index-No.) 602-065-00-6 (Unlabeled)	0.00000126	Xi; R36 N; R50/53 Xn; R48/22
BETA-BHC (13C6, 99%)	(CAS-No.) 319-85-7 (Unlabeled) (EC-No.) 206-271-3 (EC Index-No.) 602-042-00-0	0.00000126	Carc.Cat.2; R45 Xn; R21 N; R50/53
4,4'-DDE (RING-13C12, 99%)	(CAS-No.) 72-55-9 (Unlabeled) (EC-No.) 200-784-6 (Unlabeled)	0.00000126	Xn; R22 Carc.Cat.3; R40 N; R50/53
TRANS-NONACHLOR (13C10, 98%)	(CAS-No.) 39765-80-5 (Unlabeled)	0.00000126	Xn; R22 Xi; R36/37/38 N; R50/53
CIS-NONACHLOR (13C10, 98%)	(CAS-No.) 5103-73-1 (Unlabeled)	0.00000126	N; R50/53

Name	Product identifier	%	Classification according to Directive 67/548/EEC
4,4'-DDT (RING-13C12, 99%)	(CAS-No.) 104215-84-1 (EC-No.) 200-024-3 (Unlabeled) (EC Index-No.) 602-045-00-7 (Unlabeled)	0.00000126	Carc.Cat.3; R40 T; R25 N; R50/53
2,4,4'-TRICB (PCB-28) (13C12, 99%)	(CAS-No.) 208263-76-7 (EC-No.) 230-293-2 (Unlabeled) (EC Index-No.) 602-039-00-4 (Unlabeled)	0.00000063	Xn; R20/21/22 N; R50/53 R48
2,3',4',5-TETRACB (PCB-70) (13C12, 99%)	(CAS-No.) 208263-81-4 (EC Index-No.) 602-039-00-4	0.00000063	N; R50/53 R33 R48
2,3',4,4',5-PENTACB (PCB-118) (13C12, 98%)	(CAS-No.) 104130-40-7 (EC-No.) 215-648-1 (EC Index-No.) 602-039-00-4	0.00000063	Xn; R48/20/21/22 N; R50/53 R33
2,2',4,4',5,5'-HEXACB (PCB-153) (13C12, 99%)	(CAS-No.) 185376-58-3 (EC Index-No.) 602-039-00-4	0.00000063	N; R50/53 R33 R48
2,3,3',4,4',5-HEXACB (PCB-156) (13C12, 99%)	(CAS-No.) 208263-68-7 (EC Index-No.) 602-039-00-4	0.00000063	N; R50/53 Xn; R48/21/22 R33
2,2',3,4,4',5,5'-HEPTACB (PCB-180) (13C12, 99%)	(CAS-No.) 35065-29-3 (Unlabeled)	0.0000063	N; R50/53
2,2',3,3',4,4',5,5'-OCTACB (PCB-194) (13C12, 98%)	(CAS-No.) 208263-74-5 (EC Index-No.) 602-039-00-4	0.00000063	Xn; R48/20/21/22 N; R50/53 R33
2,2',5,5'-TETRACB (PCB-52) (13C12, 99%)	(CAS-No.) 208263-80-3 (EC Index-No.) 602-039-00-4	0.00000063	Carc.Cat.1; R45 N; R51/53 Xn; R48/20/21/22
2,2',4,5,5'-PENTACB (PCB-101) (13C12, 99%)	(CAS-No.) 104130-39-4 (EC Index-No.) 602-039-00-4 (Unlabeled)	0.0000063	Xn; R48/20 N; R50/53
2,3,3',4,4'-PENTACB (PCB-105) (13C12, 99%)	(CAS-No.) 208263-62-1 (EC Index-No.) 602-039-00-4	0.0000063	Xn; R48/20/21/22 Xi; R41 N; R50/53 R33
2,2',3,4,4',5'-HEXACB (PCB-138) (13C12, 99%)	(CAS-No.) 208263-66-5 (EC Index-No.) 602-039-00-4	0.00000063	Xn; R48/20/21/22 N; R50/53 R33
2,2',3,4,4',5,6'-HEPTACB (PCB-182) (13C12, 99%)	(CAS-No.) 60145-23-5 (Unlabeled)	0.00000063	Xn; R48/20/21/22 N; R50/53 R33
2,2',3,3',4,4',5-HEPTACB (PCB-170) (13C12, 99%)	(CAS-No.) 35065-30-6 (Unlabeled) (EC Index-No.) 602-039-00-4	0.00000063	N; R50/53 R33
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
100% METHANOL UNLABELED	(CAS-No.) 67-56-1 (EC-No.) 200-659-6 (EC Index-No.) 603-001-00-X (REACH-no) 01-2119433307-44	99.545408	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:vapour), H331 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 1, H370
N-NONANE UNLABELED	(CAS-No.) 111-84-2 (EC-No.) 203-913-4	0.45456356	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
OXYCHLORDANE (13C10, 99%)	(CAS-No.) 27304-13-8 (Unlabeled)	0.00000316	Acute Tox. 4 (Oral), H302

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2,2',4,4'-TETRABDE (BDE-47) (13C12, 99%)	(CAS-No.) 5436-43-1 (Unlabeled)	0.00000316	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) (13C12, 99%)	(CAS-No.) 60348-60-9 (Unlabeled)	0.00000316	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',5,5'-HEXABDE (BDE-153) (13C12, 99%)	(CAS-No.) 68631-49-2 (Unlabeled)	0.0000316	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Chronic 2, H411
HEXACHLOROBENZENE (13C6, 99%)	(CAS-No.) 93952-14-8 (EC-No.) 204-273-9 (Unlabeled) (EC Index-No.) 602-065-00-6 (Unlabeled)	0.00000126	Carc. 1A, H350 STOT RE 1, H372 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410
BETA-BHC (13C6, 99%)	(CAS-No.) 319-85-7 (Unlabeled) (EC-No.) 206-271-3 (EC Index-No.) 602-042-00-0	0.00000126	Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
4,4'-DDE (RING-13C12, 99%)	(CAS-No.) 72-55-9 (Unlabeled) (EC-No.) 200-784-6 (Unlabeled)	0.00000126	Acute Tox. 4 (Oral), H302 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
TRANS-NONACHLOR (13C10, 98%)	(CAS-No.) 39765-80-5 (Unlabeled)	0.00000126	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
CIS-NONACHLOR (13C10, 98%)	(CAS-No.) 5103-73-1 (Unlabeled)	0.00000126	Acute Tox. 4 (Oral), H302 Aquatic Chronic 1, H410
4,4'-DDT (RING-13C12, 99%)	(CAS-No.) 104215-84-1 (EC-No.) 200-024-3 (Unlabeled) (EC Index-No.) 602-045-00-7 (Unlabeled)	0.00000126	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Carc. 2, H351 STOT RE 1, H372 Aquatic Chronic 1, H410
2,4,4'-TRICB (PCB-28) (13C12, 99%)	(CAS-No.) 208263-76-7 (EC-No.) 230-293-2 (Unlabeled) (EC Index-No.) 602-039-00-4 (Unlabeled)	0.0000063	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3',4',5-TETRACB (PCB-70) (13C12, 99%)	(CAS-No.) 208263-81-4 (EC Index-No.) 602-039-00-4	0.00000063	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3',4,4',5-PENTACB (PCB-118) (13C12, 98%)	(CAS-No.) 104130-40-7 (EC-No.) 215-648-1 (EC Index-No.) 602-039-00-4	0.0000063	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',4,4',5,5'-HEXACB (PCB-153) (13C12, 99%)	(CAS-No.) 185376-58-3 (EC Index-No.) 602-039-00-4	0.0000063	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3,3',4,4',5-HEXACB (PCB-156) (13C12, 99%)	(CAS-No.) 208263-68-7 (EC Index-No.) 602-039-00-4	0.0000063	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',3,4,4',5,5'-HEPTACB (PCB-180) (13C12, 99%)	(CAS-No.) 35065-29-3 (Unlabeled)	0.0000063	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',3,3',4,4',5,5'-OCTACB (PCB-194) (13C12, 98%)	(CAS-No.) 208263-74-5 (EC Index-No.) 602-039-00-4	0.0000063	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',5,5'-TETRACB (PCB-52) (13C12, 99%)	(CAS-No.) 208263-80-3 (EC Index-No.) 602-039-00-4	0.0000063	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',4,5,5'-PENTACB (PCB-101) (13C12, 99%)	(CAS-No.) 104130-39-4 (EC Index-No.) 602-039-00-4 (Unlabeled)	0.0000063	STOT RE 2, H373 Aquatic Chronic 1, H410
2,3,3',4,4'-PENTACB (PCB-105) (13C12, 99%)	(CAS-No.) 208263-62-1 (EC Index-No.) 602-039-00-4	0.0000063	Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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2,2',3,4,4',5'-HEXACB (PCB-138) (13C12, 99%)	(CAS-No.) 208263-66-5 (EC Index-No.) 602-039-00-4	0.00000063	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',3,4,4',5,6'-HEPTACB (PCB-182) (13C12, 99%)	(CAS-No.) 60145-23-5 (Unlabeled)	0.00000063	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',3,3',4,4',5-HEPTACB (PCB-170) (13C12, 99%)	(CAS-No.) 35065-30-6 (Unlabeled) (EC Index-No.) 602-039-00-4	0.00000063	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Name	Product identifier	%	GHS-US classification
100% METHANOL UNLABELED	(CAS-No.) 67-56-1	99.545408	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:vapour), H331 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 1, H370
N-NONANE UNLABELED	(CAS-No.) 111-84-2	0.45456356	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
OXYCHLORDANE (13C10, 99%)	(CAS-No.) 27304-13-8 (Unlabeled)	0.00000316	Acute Tox. 4 (Oral), H302
2,2',4,4'-TETRABDE (BDE-47) (13C12, 99%)	(CAS-No.) 5436-43-1 (Unlabeled)	0.00000316	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) (13C12, 99%)	(CAS-No.) 60348-60-9 (Unlabeled)	0.00000316	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
2,2',4,4',5,5'-HEXABDE (BDE-153) (13C12, 99%)	(CAS-No.) 68631-49-2 (Unlabeled)	0.00000316	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
HEXACHLOROBENZENE (13C6, 99%)	(CAS-No.) 93952-14-8	0.00000126	Carc. 1B, H350 STOT RE 1, H372 Aquatic Chronic 1, H410
BETA-BHC (13C6, 99%)	(CAS-No.) 319-85-7 (Unlabeled)	0.00000126	Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
4,4'-DDE (RING-13C12, 99%)	(CAS-No.) 72-55-9 (Unlabeled)	0.00000126	Acute Tox. 4 (Oral), H302 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
TRANS-NONACHLOR (13C10, 98%)	(CAS-No.) 39765-80-5 (Unlabeled)	0.00000126	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 (13C10, 98%)	(CAS-No.) 5103-73-1 (Unlabeled)	0.00000126	Acute Tox. 4 (Oral), H302 Aquatic Chronic 1, H410
4,4'-DDT (RING-13C12, 99%)	(CAS-No.) 104215-84-1	0.00000126	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Carc. 2, H351 STOT RE 1, H372 Aquatic Chronic 1, H410
2,4,4'-TRICB (PCB-28) (13C12, 99%)	(CAS-No.) 208263-76-7	0.0000063	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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Name	Product identifier	%	GHS-US classification
2,3',4',5-TETRACB (PCB-70) (13C12, 99%)	(CAS-No.) 208263-81-4	0.00000063	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3',4,4',5-PENTACB (PCB-118) (13C12, 98%)	(CAS-No.) 104130-40-7	0.0000063	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',4,4',5,5'-HEXACB (PCB-153) (13C12, 99%)	(CAS-No.) 185376-58-3	0.00000063	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3,3',4,4',5-HEXACB (PCB-156) (13C12, 99%)	(CAS-No.) 208263-68-7	0.00000063	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',3,4,4',5,5'-HEPTACB (PCB-180) (13C12, 99%)	(CAS-No.) 35065-29-3 (Unlabeled)	0.00000063	STOT SE 2, H371 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',3,3',4,4',5,5'-OCTACB (PCB-194) (13C12, 98%)	(CAS-No.) 208263-74-5	0.0000063	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',5,5'-TETRACB (PCB-52) (13C12, 99%)	(CAS-No.) 208263-80-3	0.0000063	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',4,5,5'-PENTACB (PCB-101) (13C12, 99%)	(CAS-No.) 104130-39-4	0.0000063	STOT RE 2, H373 Aquatic Chronic 1, H410
2,3,3',4,4'-PENTACB (PCB-105) (13C12, 99%)	(CAS-No.) 208263-62-1	0.00000063	Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',3,4,4',5'-HEXACB (PCB-138) (13C12, 99%)	(CAS-No.) 208263-66-5	0.00000063	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',3,4,4',5,6'-HEPTACB (PCB-182) (13C12, 99%)	(CAS-No.) 60145-23-5 (Unlabeled)	0.00000063	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',3,3',4,4',5-HEPTACB (PCB-170) (13C12, 99%)	(CAS-No.) 35065-30-6 (Unlabeled)	0.00000063	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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

SECTION 4: First aid measures	
4.1. Description of first aid measures	3
First-aid measures general	: If medical advice is needed, have product container or label at hand. Call a physician immediately. Evacuate danger area.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Call a doctor.
First-aid measures after skin contact	: Rinse skin with water/shower. Take immediately victim to hospital. Remove/Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 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	: Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth Call a physician immediately.
4.2. Most important symptoms and e	ffects, both acute and delayed
Symptoms/effects	: Causes damage to organs (Eyes, heart, liver, kidneys, central nervous system, Skin) (in contact with skin, if inhaled, if swallowed).
Symptoms/effects after inhalation	: Toxic if inhaled.
Symptoms/effects after skin contact	: Toxic in contact with skin. Causes skin irritation.
Symptoms/effects after eye contact	: Causes serious eye irritation.
Symptoms/effects after ingestion	: Toxic if swallowed.
4.3 Indication of any immediate med	lical attention and special treatment needed

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	: Dry powder. Dry sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

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5.2. Special hazards arising from the	substance or mixture
Fire hazard	: Highly flammable liquid and vapor.
Reactivity	: vapors may form flammable mixture with air. Highly flammable liquid and vapor.
·	den de la companya de
5.3. Advice for firefighters	. Do not opter fire area without proper protective equipment, including reapiratory protection
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. Wear recommended personal protective equipment.
Other information	: Use water spray to cool exposed surfaces.
SECTION 6: Accidental release m	
6.1. Personal precautions, protective	equipment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: Wear respiratory protection. Do not breathe dust, mist, gas, spray, vapors, fume. Avoid contac with skin, eyes and clothing. Ventilate spillage area. Remove all sources of ignition. No open flames, no sparks, and no smoking. Ensure adequate air ventilation. Special attention should be given to low areas/pits where flammable vapors can accumulate.
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. D	o not allow to enter drains or water courses. Avoid release to the environment.
6.3. Methods and material for contain	iment and cleaning up
For containment	: Dike and contain spill.
Methods for cleaning up	 Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. This material and its container must be disposed of in a safe way, and as per local legislation.
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	
Precautions for safe handling	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Do not breathe dust, fume, gas, spray, vapors, mist. Do not get in eyes, on skin, or on clothing. Use only outdoors or in a well-ventilated area.
Hygiene measures	: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. 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, inclu	uding any incompatibilities
Technical measures	: Ground/bond container and receiving equipment. Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Storage conditions	: Store at room temperature away from light and moisture.
7.3. Specific end use(s)	
No additional information available	
SECTION 8: Exposure controls/pe	rsonal protection
8.1. Control parameters	
JECS PCB/POPS/PBDE CLEANUP SPIKE	(13C, 99%) IN METHANOL
Italy - Portugal - USA ACGIH ACGIH TW	A (ppm) 200.0000000 ppm Basis: USA. ACGIH Threshold

JECS PCB/POPS/PBDE CLE	ANUP SPIKE (13C, 99%) IN METHANOL	
USA NIOSH	NIOSH REL (TWA) (mg/m³)	260 mg/m ³ Basis: NIOSH Recommended Exposure Limits
USA NIOSH	NIOSH REL (TWA) (ppm)	200 ppm Basis: NIOSH Recommended Exposure Limits
USA NIOSH	NIOSH REL (STEL) (mg/m ³)	325 mg/m ³ Basis: NIOSH Recommended Exposure Limits
USA NIOSH	NIOSH REL (STEL) (ppm)	250 ppm Basis: NIOSH Recommended Exposure Limits
USA NIOSH	Remark (NIOSH)	Potential for dermal absorption.
USA OSHA	OSHA PEL (TWA) (mg/m³)	260 mg/m ³ Basis: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm Basis: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	OSHA PEL (STEL) (mg/m³)	325 mg/m ³ Basis: USA. OSHA - Table Z-1 Limits for Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	OSHA PEL (STEL) (ppm)	250 ppm Basis: USA. OSHA - Table Z-1 Limits for Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	OSHA PEL (Ceiling) (ppm)	1000 ppm California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	Remark (OSHA)	The value in mg/m3 is approximate. Skin notation.
2,2',5,5'-TETRACB (PCB-52)) (13C12, 99%) (208263-80-3)	
USA OSHA	OSHA PEL (TWA) (mg/m³)	0.5 mg/m ³
HEXACHLOROBENZENE (13	3C6, 99%) (93952-14-8)	
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m³)	0.002 mg/m ³ Central Nervous System impairment. Porphyrin effects. Skin damage. Confirmed animal carcinogen with unknown relevance to humans. Danger of cutaneous absorption. USA. ACGHIH Threshold Limit Values (TLV)
USA OSHA	OSHA PEL (Ceiling) (mg/m ³)	0.002 mg/m ³ California permissible exposure limits fo chemical contaminants (Title 8, Article 107) - Skin
4,4'-DDT (RING-13C12, 99%)	(104215-84-1)	
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m ³)	1 mg/m ³ Liver damage. Confirmed animal carcinogen with unknown relevance to humans.
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	0.5 mg/m ³ Potential Occupational Carcinogen
USA OSHA	OSHA PEL (TWA) (mg/m³)	1 mg/m ³ Skin designation
N-NONANE UNLABELED (11	1-84-2)	
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/m³)	1050 mg/m ³ 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/m³)	1050 mg/m ³ 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 ³)	1050 California permissible exposure limits for chemical contaminants.

N-NONANE UNLABELED (11	11-84-2)	
USA OSHA	OSHA PEL (Ceiling) (ppm)	200 ppm California permissible exposure limits for chemical contaminants.
100% METHANOL UNLABEL	.ED (67-56-1)	
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	200.00000000 ppm Basis: USA. ACGIH Threshold Limit Values (TLV)
Italy - Portugal - USA ACGIH	ACGIH STEL (ppm)	250 ppm Basis: USA. ACGIH Threshold Limit Values (TLV)
Italy - Portugal - USA ACGIH	Remark (ACGIH)	Headache. Nausea. Dizziness. Eye damage. Substances for which there is a Biological Exposure Index or Indices (see BEI section). Danger of cutaneous absorption.
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	260 mg/m ³ Basis: NIOSH Recommended Exposure Limits
USA NIOSH	NIOSH REL (TWA) (ppm)	200 ppm Basis: NIOSH Recommended Exposure Limits
USA NIOSH	NIOSH REL (STEL) (mg/m ³)	325 mg/m ³ Basis: NIOSH Recommended Exposure Limits
USA NIOSH	NIOSH REL (STEL) (ppm)	250 ppm Basis: NIOSH Recommended Exposure Limits
USA NIOSH	Remark (NIOSH)	Potential for dermal absorption.
USA OSHA	OSHA PEL (TWA) (mg/m³)	260 mg/m ³ Basis: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm Basis: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	OSHA PEL (STEL) (mg/m³)	325 mg/m ³ Basis: USA. OSHA - Table Z-1 Limits for Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	OSHA PEL (STEL) (ppm)	250 ppm Basis: USA. OSHA - Table Z-1 Limits for Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	OSHA PEL (Ceiling) (ppm)	1000 ppm California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	Remark (OSHA)	The value in mg/m3 is approximate. Skin notation.

JECS PCB/POPS/PBDE CLEANUP SPIKE (13C, 99%) IN METHANOL		
DNEL/DMEL (Workers)		
Acute - systemic effects, dermal	40 mg/kg bodyweight/day	
Acute - systemic effects, inhalation	260 mg/m ³	
Acute - local effects, dermal	260 mg/cm ²	
Long-term - systemic effects, dermal	40 mg/kg bodyweight/day	
Long-term - local effects, dermal	260 mg/cm ²	
Long-term - local effects, inhalation	260 mg/m ³	
DNEL/DMEL (General population)		
Acute - systemic effects, dermal	8 mg/kg body weight	
Acute - systemic effects, inhalation	50 mg/m³	
Acute - systemic effects, oral	8 mg/kg body weight	
Acute - local effects, inhalation	50 mg/m³	
Long-term - systemic effects,oral	8 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	50 mg/m³	
Long-term - systemic effects, dermal	8 mg/kg bodyweight/day	
Long-term - local effects, inhalation	50 mg/m³	
PNEC (Water)		
PNEC aqua (freshwater)	154 mg/l	
PNEC aqua (marine water)	15.4 mg/l	

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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

JECS PCB/POPS/PBDE CLEANUP SPIKE (1	3C, 99%) IN METHANOL
PNEC (Sediment)	
PNEC sediment (freshwater)	570.4 mg/kg dwt
PNEC (Soil)	
PNEC soil	23.5 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	100 mg/kg
8.2. Exposure controls	
Appropriate engineering controls	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
Personal protective equipment	: Gloves. Protective clothing. Protective goggles. Self-contained breathing apparatus.
Materials for protective clothing	: Wear suitable protective clothing and gloves.
Hand protection	: Wear suitable protective clothing and gloves.
Eye protection	: Wear eye protection. Chemical goggles or face shield with safety glasses.
Skin and body protection	: Wear suitable protective clothing, gloves and eye/face protection.
Respiratory protection	: In case of inadequate ventilation wear respiratory protection. Approved supplied air respirator.
Environmental exposure controls	: Avoid release to the environment.

SECTION 9: Physical and chemical properties 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid
Color	: Colorless
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: No data available
9.2. Other information	

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

vapors may form flammable mixture with air. Highly flammable liquid and vapor.

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10.2. Chemical stability	
See storage and expiration date on CoA.	
10.3. Possibility of hazardous reactions	
No dangerous reactions known under normal con	ditions of use
5	
10.4. Conditions to avoid	
Avoid contact with hot surfaces. Heat. No flames,	no sparks. Eliminate all sources of ignition.
10.5. Incompatible materials	
Acid anhydrides. Acid chlorides. Oxidizing agent.	Alkali Metal Amides. Reducing agents. Acids.
10.6. Hazardous decomposition products	
Carbon oxides (CO, CO2).	
SECTION 11: Toxicological informati	on
11.1. Information on toxicological effects	
· · · · ·	· Orali Tavia if availaved Darmali Tavia in contact with akin Jakalatiany anaver Tavia if inhalad
Acute toxicity	: Oral: Toxic if swallowed. Dermal: Toxic in contact with skin. Inhalation:vapour: Toxic if inhaled.
JECS PCB/POPS/PBDE CLEANUP SPIKE (13	
LD50 oral rat	1187 - 2769 mg/kg
LD50 dermal rabbit	17100 mg/kg
LC50 inhalation rat (mg/l)	128.2 mg/l/4h ; 87.6 mg/l - 6 h
ATE CLP (oral)	100.000 mg/kg body weight
ATE CLP (dermal)	300.000 mg/kg body weight
ATE CLP (vapors)	3.000 mg/l/4h
ATE CLP (dust, mist) LDLO, oral, human	128.200 mg/l/4h 143 mg/kg Remarks: Lungs, Thorax, or Respiration: Dyspnea. Ingestion may cause
	gastrointestinal irritation, nausea, vomiting and diarrhea.
HEXACHLOROBENZENE (13C6, 99%) (93952	-14-8)
LD50 oral rat	10000 mg/kg
LD50 oral	> 3000 mg/kg Guinea pig
LC50 inhalation rat (mg/l)	3600 mg/m ³
ATE CLP (oral)	10000.000 mg/kg body weight
ATE CLP (vapors)	3.600 mg/l/4h
ATE CLP (dust, mist)	3.600 mg/l/4h
Remarks	Behavioral: Somnolence (general depressed activity). Gastrointestinal: Necrotic changes. Blood: Changes in erythrocyte (RBC) count.
Additional information	LD50 Oral - Cat - 800 mg/kg. LD50 Oral - Rabbit - 1,830 mg/kg. LD50 Oral Mouse - 1760 mg/kg. LD50 - Oral - Mammal - 1400 mg/kg
BETA-BHC (13C6, 99%) (319-85-7 (Unlabeled	())
LD50 oral rat	6000 mg/kg
ATE CLP (oral)	100.000 mg/kg body weight
ATE CLP (dermal)	1100.000 mg/kg body weight
4,4'-DDE (RING-13C12, 99%) (72-55-9 (Unlabe	eled))
LD50 oral rat	880 mg/kg
ATE CLP (oral)	880.000 mg/kg body weight
TRANS-NONACHLOR (13C10, 98%) (39765-8	0-5 (Unlabeled))
LD50 oral rat	500 mg/kg
ATE CLP (oral)	500.000 mg/kg body weight
CIS-NONACHLOR (13C10, 98%) (5103-73-1 (L	Inlabeled))
ATE CLP (oral)	500.000 mg/kg body weight
4,4'-DDT (RING-13C12, 99%) (104215-84-1)	
LD50 oral rat	87 mg/kg
LD50 dermal rabbit	300 mg/kg Remarks: Behavioral:Tremor. Behavioral:Muscle weakness. Behavioral:Ataxia.
ATE CLP (oral)	87.000 mg/kg body weight
ATE CLP (dermal)	300.000 mg/kg body weight
OXYCHLORDANE (13C10, 99%) (27304-13-8 (
LD50 oral rat	457 mg/kg
ATE CLP (oral)	457.000 mg/kg body weight

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2,2',4,4',5-PENTABDE (BDE-99) (13C12, 99%	60-9 (Unlabeled))	
Additional information	ntraperitoneal-mouse-125mg/kg	
N-NONANE UNLABELED (111-84-2)		
LC50 inhalation rat (mg/l)	mg/m ³ male - 4 h	
ATE CLP (vapors)	mg/l/4h	
Skin corrosion/irritation, Dermal, rat	Skin Irritation (Draize Test)	
Additional information	phimurium Result: negative	
100% METHANOL UNLABELED (67-56-1)		
LD50 oral rat	2769 mg/kg	
LD50 dermal rabbit	mg/kg	
LC50 inhalation rat (mg/l)	mg/l/4h ; 87.6 mg/l - 6 h	
ATE CLP (oral)	0 mg/kg body weight	
ATE CLP (dermal)	0 mg/kg body weight	
ATE CLP (vapors)	ng/l/4h	
ATE CLP (dust, mist)	0 mg/l/4h	
LDLO, oral, human	g/kg Remarks: Lungs, Thorax, or Respiration: Dyspnea. In ntestinal irritation, nausea, vomiting and diarrhea.	ngestion may cause
skin corrosion/irritation	abbit. Result: No skin irritation	
Serious eye damage/irritation	rabbit. Result: No eye irritation	
Respiratory or skin sensitization	isation Test . Guinea pig. Did not cause sensitization. (Ol	ECD 406 method)
Germ cell mutagenicity	test : S. tymphimurium. Result: negative. fibroblast. Resultalian somatic cells. Mutagenicity (in vivo mammalian bor osomal analysis) - Mouse - male and female Result: neg Result: Negative	e-marrow cystogenetic test,
Carcinogenicity	assified	
Reproductive toxicity	ge to fetus not classifiable. Fertility classification not poss	ible from current data.
Specific target organ toxicity – single exposure	s damage to organs through prolonged or repeated expo	sure
	s damage to organs	
specific target organ toxicity – repeated xposure	ubstance or mixture is not classified as specific target orga a available	an toxicant, repeated exposure
spiration hazard	piration toxicity classification.	
otential Adverse human health effects and ymptoms	formation is based on our current knowledge and is inten rposes of health, safety and environmental requirements ued as guaranteeing any specific property of the product. a: Headache. Dizziness. Drowsiness. metabolic acidosis. wed and enters airways. If swallowed there is a risk of blin ch.	only. It should not therefore be Effects due to Ingestion may Coma. May be fatal if
symptoms/effects after inhalation	f inhaled.	
Symptoms/effects after skin contact	n contact with skin. Causes skin irritation.	
Symptoms/effects after eye contact	s serious eye irritation.	
Symptoms/effects after ingestion	f swallowed.	

SECTION 12: Ecological in	nformation
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
JECS PCB/POPS/PBDE CLEAN	IUP SPIKE (13C, 99%) IN METHANOL
LC50 fish 1	15400 mg/l mortality LC50 - Lepomis machrochirus (Bluegill) - 96 h
EC50 Daphnia 1	> 10000 mg/l Daphnia magna (Water flea) - 48 h
EQEO Device o	200000 mm/l Oracith inhibition EOE0. Oracidate more sensite mentary (free house ten stress) 200 h

EC50 Daphnia 2	22000 mg/l Growth inhibition EC50 - Scenedesmus capricornutum (fresh water algae) - 96 h
NOEC (acute)	7900 mg/l Oryzias latipes - 200 h
2,4,4'-TRICB (PCB-28) (13C12, 99%) (208263-76-7)
LC50 fish 1	> 0.16 mg/l Pimpephale promelas (fathead minnow) -96h
EC50 Daphnia 1	> 0.16 mg/l Daphnia magna (Water flea) -48h
2,2',5,5'-TETRACB (PCB-52) (13C12	2, 99%) (208263-80-3)
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

, ,	
2,2',5,5'-TETRACB (PCB-52) (13C12, 99%	6) (208263-80-3)
NOEC (chronic)	0.1 mg/l Oncorhynchus mykiss (rainbow trout) - 7 d
2,2',3,3',4,4',5-HEPTACB (PCB-170) (13C	12, 99%) (35065-30-6 (Unlabeled))
LC50 fish 1	0.034 mg/l Pimephales promelas (fathead minnow) - 96 h
HEXACHLOROBENZENE (13C6, 99%) (93	3952-14-8)
LC50 fish 1	7.6 mg/l Lepomis macrochirus (Bluegill) - 96 h
EC50 other aquatic organisms 1	> 0.005 mg/l Daphnia magna (Water flea) - 48 h
NOEC (chronic)	> 0.0048 mg/l Pimephales promelas (fathead minnow) - 96 h
BETA-BHC (13C6, 99%) (319-85-7 (Unlat	peled))
LC50 fish 1	1.6 mg/l Poecilia reticulata (guppy) - 96 h
4,4'-DDE (RING-13C12, 99%) (72-55-9 (Un	nlabeled))
LC50 fish 1	0.2 - 0.3 mg/l Lepomis macrochirus (Bluegill) - 96 h
LC50 other aquatic organisms 1	0.05 - 0.18 mg/l Salmo salar (Atlantic salmon) - 96 h
LC50 fish 2	0.03 - 0.04 mg/l Oncorhynchus mykiss (rainbow trout) - 96 h
TRANS-NONACHLOR (13C10, 98%) (397	65-80-5 (Unlabeled))
EC50 Daphnia 1	0.022 mg/l Daphnia pulex (Water flea) - 48 h
4,4'-DDT (RING-13C12, 99%) (104215-84-	1)
LC50 fish 1	0.01 mg/l Pimephales promelas (fathead minnow) - 96 h
LC50 other aquatic organisms 1	0.01 mg/l Lepomis macrochirus (Bluegill) - 96.0 h
EC50 Daphnia 1	0.00108 mg/l Daphnia magna (Water flea) - 48 h
LC50 fish 2	0.0034 mg/l Oncorhynchus mykiss (rainbow trout) - 96 h
ErC50 (other aquatic plants)	> 20 mg/l Scenedesmus quadricauda (Green algae) - 7 d
LOEC (chronic)	150 mg/l Oncorhynchus mykiss (rainbow trout) - 96 h
NOEC (chronic)	113 mg/l Oncorhynchus mykiss (rainbow trout) - 3 d
100% METHANOL UNLABELED (67-56-1))
LC50 fish 1	15400 mg/l mortality LC50 - Lepomis machrochirus (Bluegill) - 96 h
EC50 Daphnia 1	> 10000 mg/l Daphnia magna (Water flea) - 48 h
EC50 Daphnia 2	22000 mg/l Growth inhibition EC50 - Scenedesmus capricornutum (fresh water algae) - 96 h
NOEC (acute)	7900 mg/l Oryzias latipes - 200 h
2.2 Perciptonoo and dogradability	
2.2. Persistence and degradability	
JECS PCB/POPS/PBDE CLEANUP SPIKE	
Biochemical oxygen demand (BOD)	600 - 1200 mg/g

JECS PCB/POPS/PBDE CLEANUP SPIKE (13C, 99%) IN METHANOL		
Biochemical oxygen demand (BOD)	600 - 1200 mg/g	
Chemical oxygen demand (COD)	1420 mg/g	
ThOD	1500 mg/g	
Biodegradation	72 % - rapidly biodegradable aerobic - Exposure time 5 d	
100% METHANOL UNLABELED (67-56-1)		
Biochemical oxygen demand (BOD)	600 - 1200 mg/g	
Chemical oxygen demand (COD)	1420 mg/g	
ThOD	1500 mg/g	
Biodegradation	72 % - rapidly biodegradable aerobic - Exposure time 5 d	
12.3. Bioaccumulative potential		
JECS PCB/POPS/PBDE CLEANUP SPIKE (130	C, 99%) IN METHANOL	
BCF fish 1	5 mg/l Cyprinus carpio (Carp) - 72 d at 20 °C	
Bioconcentration factor (BCF REACH)	1	
2,3',4,4',5-PENTACB (PCB-118) (13C12, 98%)	(104130-40-7)	
Log Pow	7.12	
2,2',4,4',5,5'-HEXACB (PCB-153) (13C12, 99%)) (185376-58-3)	
Log Pow	7.75	
2,2',3,4,4',5,5'-HEPTACB (PCB-180) (13C12, 99%) (35065-29-3 (Unlabeled))		
Log Pow	8.27	
2,2',3,4,4',5,6'-HEPTACB (PCB-182) (13C12, 99	%) (60145-23-5 (Unlabeled))	
Log Pow	8.27	
2,2',3,3',4,4',5-HEPTACB (PCB-170) (13C12, 9	9%) (35065-30-6 (Unlabeled))	
Log Pow	8.27	

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HEXACHLOROBENZENE (13C6, 99%) (93952	2-14-8)
Bioconcentration factor (BCF REACH)	22000
Bioaccumulative potential	Bioaccumulation Pimephale promelas (fathead minnow) - 32 d - 0.0003 mg/l.
BETA-BHC (13C6, 99%) (319-85-7 (Unlabele	d))
Log Pow	3.78
4,4'-DDE (RING-13C12, 99%) (72-55-9 (Unlab	
BCF fish 1	3.84 ug/l - Gambusia affinis (Mosquito fish) - 33 d
Bioconcentration factor (BCF REACH)	12.037
Log Pow	6.51
TRANS-NONACHLOR (13C10, 98%) (39765-8	
Log Pow	6.35
CIS-NONACHLOR (13C10, 98%) (5103-73-1 (**
Log Pow	2.794
4,4'-DDT (RING-13C12, 99%) (104215-84-1)	
BCF fish 1	0.001 mg/l Oncorhynchus mykiss (rainbow trout) - 20 d
Bioconcentration factor (BCF REACH)	46,670
Log Pow	6.91
N-NONANE UNLABELED (111-84-2)	
Log Pow	5.65
Bioaccumulative potential	Indication of bioaccumulation.
100% METHANOL UNLABELED (67-56-1)	
BCF fish 1	5 mg/l Cyprinus carpio (Carp) - 72 d at 20 °C
Bioconcentration factor (BCF REACH)	1
Log Pow	-0.77
12.4. Mobility in soil	
-	
JECS PCB/POPS/PBDE CLEANUP SPIKE (13	
Ecology - soil	Not degradable in the soil.
100% METHANOL UNLABELED (67-56-1)	
Ecology - soil	Not degradable in the soil.
12.5. Results of PBT and vPvB assessme	nt
JECS PCB/POPS/PBDE CLEANUP SPIKE (13	3C, 99%) IN METHANOL
PBT: not relevant – no registration required	
100% METHANOL UNLABELED (67-56-1)	
PBT: not relevant – no registration required	
12.6. Other adverse effects	
Other adverse effects	: Avoid release to the environment.
Other information	: Stability in water: at 19 °C - (83 - 91%) - 72 h. Remarks: Hydrolyses on contact with water.
	Hydrolyses readily.
SECTION 13: Disposal consideration	IS
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 / A	
14.1. UN number	
UN-No.(DOT)	: 1230
DOT NA no.	UN1230
14.2. UN proper shipping name	
Proper Shipping Name (DOT)	: Methanol
Class (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
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Hazard labels (DOT)	: 3 - Flammable liquid 6.1 - Poison
	POISON 3 6
DOT Symbols	 + - Fixes (cannot be altered) proper shipping name, hazard class, and packing group, I - Proper shipping name appropriate for international and domestic transportation
Packing group (DOT)	: II - Medium Danger
DOT Special Provisions (49 CFR 172.102)	 IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). 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. T7 - 4 178.274(d)(2) Normal
DOT Packaging Exceptions (49 CEP 173 xxx)	(59 F) and 50 C (122 F), respectively.
DOT Packaging Exceptions (49 CFR 173.xxx) DOT Packaging Non Bulk (49 CFR 173.xxx)	: 150 : 202
DOT Packaging Non Bulk (49 CFR 173.xxx) DOT Packaging Bulk (49 CFR 173.xxx)	: 202
DOT RQ	: 242 : 5000 lbs
Marine pollutant	: No
14.3. Additional information	
Emergency Response Guide (ERG) Number	: 131
Other information	: No supplementary information available.
Overland transport	
Packing group (ADR)	: 11
Class (ADR)	: 3 - Flammable liquid
Hazard identification number (Kemler No.)	: 336
Classification code (ADR)	: FT1
Hazard labels (ADR)	: 3 - Flammable liquids
	6.1 - Toxic substances
Orange plates	336 1230
Tunnel restriction code (ADR)	: D/E
Limited quantities (ADR)	11
Excepted quantities (ADR)	: E2
Transport by sea	
DOT Vessel Stowage Location	: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" or passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.
DOT Vessel Stowage Other	: 40 - Stow "clear of living quarters"

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Air transport	
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 1L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 60 L
Civil Aeronautics Law	Flammable liquids

14.4.	Environmental hazards	
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 JECS PCB/POPS/PBDE CLEANUP SPIKE (13C, 99%) IN METHANOL Listed on the United States TSCA (Toxic Substances Control Act) inventory CERCLA RQ 5000 lb SARA Section 302 Threshold Planning Not subject to reporting requirements of the United States SARA Section 302. Quantity (TPQ) 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 2,4,4'-TRICB (PCB-28) (13C12, 99%) (208263-76-7) SARA Section 302 Threshold Planning Not subject to reporing requirements of the United States SARA Section 302. Quantity (TPQ) SARA Section 311/312 Hazard Classes Delayed (chronic) health hazard SARA Section 313 - Emission Reporting Not subject to reporing requirements of the United States SARA Section 313. 2,3',4',5-TETRACB (PCB-70) (13C12, 99%) (208263-81-4) SARA Section 302 Threshold Planning Not subject to reporting requirements of the United States SARA Section 302 Quantity (TPQ) SARA Section 313 - Emission Reporting Not subject to reporting requirements of the United States SARA Section 313 2,3',4,4',5-PENTACB (PCB-118) (13C12, 98%) (104130-40-7) SARA Section 302 Threshold Planning Not subject to reporing requirements of the United States SARA Section 302. Quantity (TPQ) SARA Section 311/312 Hazard Classes Delayed (chronic) health hazard SARA Section 313 - Emission Reporting Not subject to reporing requirements of the United States SARA Section 313. 2,2',4,4',5,5'-HEXACB (PCB-153) (13C12, 99%) (185376-58-3) SARA Section 302 Threshold Planning Not subject to reporting requirements of the United States SARA Section 302. Quantity (TPQ) 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. 2,3,3',4,4',5-HEXACB (PCB-156) (13C12, 99%) (208263-68-7) SARA Section 302 Threshold Planning Not subject to reporing requirements of the United States SARA Section 302. Quantity (TPQ) SARA Section 311/312 Hazard Classes Delayed (chronic) health hazard Not subject to reporing requirements of the United States SARA Section 313. SARA Section 313 - Emission Reporting 2,2',3,4,4',5,5'-HEPTACB (PCB-180) (13C12, 99%) (35065-29-3 (Unlabeled)) SARA Section 302 Threshold Planning Not subject to reporting requirements of the United States SARA Section 302. Quantity (TPQ) 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. 2,2',3,3',4,4',5,5'-OCTACB (PCB-194) (13C12, 98%) (208263-74-5) SARA Section 302 Threshold Planning Not subject to reporting requirements of the United States SARA Section 302. Quantity (TPQ) 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.

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2,2',5,5'-TETRACB (PCB-52) (13C12, 99%) (2	208263-80-3)	
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.	
2,2',4,5,5'-PENTACB (PCB-101) (13C12, 99%	6) (104130-39-4)	
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.	
2,3,3',4,4'-PENTACB (PCB-105) (13C12, 99%) (208263-62-1)	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporing 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 reporing requirements of the United States SARA Section 313.	
2,2',3,4,4',5'-HEXACB (PCB-138) (13C12, 99	%) (208263-66-5)	
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.	
2,2',3,4,4',5,6'-HEPTACB (PCB-182) (13C12,		
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	
2,2',3,3',4,4',5-HEPTACB (PCB-170) (13C12,		
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.	
HEXACHLOROBENZENE (13C6, 99%) (9395		
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	
BETA-BHC (13C6, 99%) (319-85-7 (Unlabele		
SARA Section 302 Threshold Planning Quantity (TPQ) SARA Section 311/312 Hazard Classes	Not subject to reporting requirements of the United States SARA Section 302 Immediate (acute) health hazard	
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	
4,4'-DDE (RING-13C12, 99%) (72-55-9 (Unlab	neled))	
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	
TRANS-NONACHLOR (13C10, 98%) (39765-8	30-5 (Unlabeled))	
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	
CIS-NONACHLOR (13C10, 98%) (5103-73-1 (
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	
4,4'-DDT (RING-13C12, 99%) (104215-84-1)		
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302	
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4,4'-DDT (RING-13C12, 99%) (104215-84-1)					
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				
OXYCHLORDANE (13C10, 99%) (27304-13-8 (L	Jnlabeled))				
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				
2,2',4,4'-TETRABDE (BDE-47) (13C12, 99%) (54	436-43-1 (Unlabeled))				
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				
2,2',4,4',5-PENTABDE (BDE-99) (13C12, 99%)	(60348-60-9 (Unlabeled))				
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				
2,2',4,4',5,5'-HEXABDE (BDE-153) (13C12, 99%) (68631-49-2 (Unlabeled))					
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				
N-NONANE UNLABELED (111-84-2)	IONANE UNLABELED (111-84-2)				
Listed on the United States TSCA (Toxic Substar	sted 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.				
100% METHANOL UNLABELED (67-56-1) Listed on the United States TSCA (Toxic Substances Control Act) inventory					
			CERCLA RQ	5000 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				
SARA Section 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313				

15.2. International regulations

CANADA

JECS PCB/POPS/PBDE CLEANUP SPIKE (13C, 99%) IN METHANOL		
Listed on the Canadian DSL (Domestic Substances List)		
N-NONANE UNLABELED (111-84-2)		
Listed on the Canadian DSL (Domestic Substances List)		
100% METHANOL UNLABELED (67-56-1)		
Listed on the Canadian DSL (Domestic Substances List)		

15.2.1. National regulations

100% METHANOL UNLABELED (67-56-1)

15.3. US State regulations

JECS PCB/POPS/PBDE CLEANUP SPIKE (13C, 99%) IN METHANOL()		
U.S California - Proposition 65 - Carcinogens List	No	
U.S California - Proposition 65 - Developmental Toxicity	Yes	
U.S California - Proposition 65 - Reproductive	No	

JECS PCB/POPS/PBDE CI	FANLIP SPIKE (13C 99%)	ΙΝ ΜΕΤΗΔΝΟΙ Ο		
Toxicity - Female	LEARON SI IKE (130, 3376)			
U.S California - Propositio Toxicity - Male	n 65 - Reproductive	No		
State or local regulations		U.S Delaware - Pollutant Dis U.S Idaho - Non-Carcinogen U.S Massachusetts - Right T U.S Pennsylvania - RTK (Rig U.S New Jersey - Right to K U.S New York - Reporting of	nic Toxic Air Pollutants - Accept Fo Know List ght to Know) List now Hazardous Substance Lis	table Ambient Concentrations
2,4,4'-TRICB (PCB-28) (13	C12. 99%) (208263-76-7)			
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	
2,3',4',5-TETRACB (PCB-7	(13C12, 99%) (208263-8	1-4)		
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	No	
2,3',4,4',5-PENTACB (PCB	3-118) (13C12, 98%) (10413	0-40-7)		
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	
2,2',4,4',5,5'-HEXACB (PC	B-153) (13C12, 99%) (1853	76-58-3)		
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	
2,3,3',4,4',5-HEXACB (PC		3_69_7)		
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity Yes	U.S California - Proposition 65 - Reproductive Toxicity - Female Yes	U.S California - Proposition 65 - Reproductive Toxicity - Male Yes	No significant risk level (NSRL)
			fes	
2,2',3,4,4',5,5'-HEPTACB (U.S California - Proposition 65 - Carcinogens List	PCB-180) (13C12, 99%) (35 U.S California - Proposition 65 - Developmental Toxicity	5065-29-3 (Unlabeled)) U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	Yes	No	
2,2',3,3',4,4',5,5'-OCTACB	(PCB-194) (13C12, 98%) (2	08263-74-5)		
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	
	2) (13C12, 99%) (208263-8	0-3)		
2.2'.5.5'-TETRACB (PCB-5		U.S California -	U.S California -	No significant risk level
2,2',5,5'-TETRACB (PCB-5 U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	Proposition 65 - Reproductive Toxicity - Female	Proposition 65 - Reproductive Toxicity - Male	(NSRL)

	CB-101) (13C12, 99%) (104130			
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity -	Reproductive Toxicity -	
		Female	Male	
Yes	Yes	Yes	Yes	
2.3.3'.4.4'-PENTACB (PC	B-105) (13C12, 99%) (208263-	62-1)		
J.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity -	Reproductive Toxicity -	(110112)
	Developmental roxieity	Female	Male	
res	Yes	Yes	Yes	
2'344'5'-HEXACB (P	CB-138) (13C12, 99%) (20826	3-66-5)		
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity -	Reproductive Toxicity -	(
Jarcinogens List		Female	Male	
Yes	Yes	Yes	Yes	
2.2'.3.4.4'.5.6'-HEPTACB	(PCB-182) (13C12, 99%) (601	45-23-5 (Unlabeled))		
J.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity -	Reproductive Toxicity -	(
Cardinoyens List		Female	Male	
Yes	Yes	Yes	Yes	
2,2',3,3',4,4',5-HEPTACB	(PCB-170) (13C12, 99%) (350	065-30-6 (Unlabeled))		
J.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity -	Reproductive Toxicity -	·/
	2 overeptional reviewy	Female	Male	
Yes	Yes	Yes	No	
HEXACHLOROBENZEN	E (13C6, 99%) (93952-14-8)			
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk leve
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity -	Reproductive Toxicity -	,
		Female	Male	
Yes	Yes	Yes	Yes	
BETA-BHC (13C6, 99%)	(319-85-7 (Unlabeled))	·		·
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity -	Reproductive Toxicity -	
Carolinoyens List		Female	Male	
Yes	Yes	Yes	Yes	
4.4'-DDE (RING-13C12.9	9%) (72-55-9 (Unlabeled))			
J.S California -	U.S California -	U.S California -	U.S California -	No significant risk leve
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity			
Carcinogens List		Reproductive Toxicity - Female	Reproductive Toxicity - Male	
		Yes	Yes	
Yes	Yes	103		
	Yes 3C10, 98%) (39765-80-5 (Unla			
TRANS-NONACHLOR (1			U.S California -	No significant risk leve
TRANS-NONACHLOR (1) J.S California -	3C10, 98%) (39765-80-5 (Unla U.S California -	beled)) U.S California -		
TRANS-NONACHLOR (1 U.S California - Proposition 65 -	3C10, 98%) (39765-80-5 (Unla	beled)) U.S California - Proposition 65 - Reproductive Toxicity -	Proposition 65 - Reproductive Toxicity -	No significant risk leve (NSRL)
U.S California - Proposition 65 - Carcinogens List	3C10, 98%) (39765-80-5 (Unla U.S California - Proposition 65 - Developmental Toxicity	beled)) U.S California - Proposition 65 - Reproductive Toxicity - Female	Proposition 65 - Reproductive Toxicity - Male	
TRANS-NONACHLOR (1 U.S California - Proposition 65 - Carcinogens List No	3C10, 98%) (39765-80-5 (Unla U.S California - Proposition 65 - Developmental Toxicity No	beled)) U.S California - Proposition 65 - Reproductive Toxicity - Female No	Proposition 65 - Reproductive Toxicity -	No significant risk level (NSRL)
TRANS-NONACHLOR (1 U.S California - Proposition 65 - Carcinogens List No CIS-NONACHLOR (13C1	3C10, 98%) (39765-80-5 (Unla U.S California - Proposition 65 - Developmental Toxicity No 0, 98%) (5103-73-1 (Unlabeled	beled)) U.S California - Proposition 65 - Reproductive Toxicity - Female No	Proposition 65 - Reproductive Toxicity - Male No	(NSRĹ)
TRANS-NONACHLOR (1 U.S California - Proposition 65 - Carcinogens List No CIS-NONACHLOR (13C1 U.S California -	3C10, 98%) (39765-80-5 (Unla U.S California - Proposition 65 - Developmental Toxicity No 0, 98%) (5103-73-1 (Unlabeled U.S California -	beled)) U.S California - Proposition 65 - Reproductive Toxicity - Female No U.S California -	Proposition 65 - Reproductive Toxicity - Male No U.S California -	(NSRL)
TRANS-NONACHLOR (1 U.S California - Proposition 65 - Carcinogens List No CIS-NONACHLOR (13C1 U.S California - Proposition 65 -	3C10, 98%) (39765-80-5 (Unla U.S California - Proposition 65 - Developmental Toxicity No 0, 98%) (5103-73-1 (Unlabeled U.S California - Proposition 65 -	beled)) U.S California - Proposition 65 - Reproductive Toxicity - Female No U.S California - Proposition 65 -	Proposition 65 - Reproductive Toxicity - Male No U.S California - Proposition 65 -	(NSRĹ)
TRANS-NONACHLOR (1 U.S California - Proposition 65 - Carcinogens List No CIS-NONACHLOR (13C1 U.S California -	3C10, 98%) (39765-80-5 (Unla U.S California - Proposition 65 - Developmental Toxicity No 0, 98%) (5103-73-1 (Unlabeled U.S California -	beled)) U.S California - Proposition 65 - Reproductive Toxicity - Female No U.S California -	Proposition 65 - Reproductive Toxicity - Male No U.S California -	(NSRL)

CIS-NONACHLOR (13C10.	98%) (5103-73-1 (Unlabeled	())		
No	No	No	No	
4 41 DDT (DINC 42C42 000)/) (404245 84 4)			
4,4'-DDT (RING-13C12, 999 U.S California -	//////////////////////////////////////	U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity -	Reproductive Toxicity -	(NORE)
	Developmental Toxicity	Female	Male	
Yes	Yes	Yes	Yes	
	99%) (27304-13-8 (Unlabele			
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity - Female	Reproductive Toxicity - Male	
No	No	No	No	
2,2',4,4'-TETRABDE (BDE-	47) (13C12, 99%) (5436-43-1	(Unlabeled))		
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity -	Reproductive Toxicity -	
		Female	Male	
No	No	No	No	
2,2',4,4',5-PENTABDE (BD	E-99) (13C12, 99%) (60348-	60-9 (Unlabeled))		
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity -	Reproductive Toxicity -	
		Female	Male	
No	No	No	No	
2,2',4,4',5,5'-HEXABDE (B	DE-153) (13C12, 99%) (6863	1-49-2 (Unlabeled))		
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity -	Reproductive Toxicity -	· · · ·
Ū		Female	Male	
No	No	No	No	
N-NONANE UNLABELED ((111-84-2)	-	·	•
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity -	Reproductive Toxicity -	()
		Female	Male	
No	No	No	No	
100% METHANOL UNLAB	ELED (67-56-1)			
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity -	Reproductive Toxicity -	()
g		Female	Male	
No	Yes	No	No	
2,4,4'-TRICB (PCB-28) (13	C12 00%) (200262 76 7)			
State or local regulations	U12 , 33 /0) (200203-70-7)			
U.S Pennsylvania - RTK (U.S New Jersey - Right to	Right to Know) List Know Hazardous Substance	List		
2,3',4',5-TETRACB (PCB-7	70) (13C12, 99%) (208263-81	-4)		
State or local regulations				
U.S Pennsylvania - RTK (U.S New Jersev - Right to	Right to Know) List Know Hazardous Substance	List		
	B-118) (13C12, 98%) (104130			
State or local regulations	-110/(13012, 30%)(104130			
U.S Pennsylvania - RTK (Dight to Know) List			

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2,2',4,4',5,5'-HEXACB (PCB-153) (13C12, 99%) (185376-58-3) State or local regulations U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List 2,3,3',4,4',5-HEXACB (PCB-156) (13C12, 99%) (208263-68-7) State or local regulations U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List 2,2',3,4,4',5,5'-HEPTACB (PCB-180) (13C12, 99%) (35065-29-3 (Unlabeled)) State or local regulations U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Jist U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know List U.S New Jersey - Right to Know Hazardous Substance List 2,2',3,3',4,4',5,5'-OCTACB (PCB-194) (13C12, 98%) (208263-74-5) State or local regulations U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know) List			
U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List 2,3,3',4,4',5-HEXACB (PCB-156) (13C12, 99%) (208263-68-7) State or local regulations U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List 2,2',3,4,4',5,5'-HEPTACB (PCB-180) (13C12, 99%) (35065-29-3 (Unlabeled)) State or local regulations U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List 2,2',3,3',4,4',5,5'-OCTACB (PCB-194) (13C12, 98%) (208263-74-5) State or local regulations U.S Pennsylvania - RTK (Right to Know) List U.S Pennsylvania - RTK (Right to Know) List			
U.S New Jersey - Right to Know Hazardous Substance List 2,3,3',4,4',5-HEXACB (PCB-156) (13C12, 99%) (208263-68-7) State or local regulations U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List 2,2',3,4,4',5,5'-HEPTACB (PCB-180) (13C12, 99%) (35065-29-3 (Unlabeled)) State or local regulations U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List 2,2',3,3',4,4',5,5'-OCTACB (PCB-194) (13C12, 98%) (208263-74-5) State or local regulations U.S Pennsylvania - RTK (Right to Know) List U.S Pennsylvania - RTK (Right to Know) List U.S Pennsylvania - RTK (Right to Know) List			
State or local regulations U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List 2,2',3,4,4',5,5'-HEPTACB (PCB-180) (13C12, 99%) (35065-29-3 (Unlabeled)) State or local regulations U.S Pennsylvania - RTK (Right to Know) List U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List 2,2',3,3',4,4',5,5'-OCTACB (PCB-194) (13C12, 98%) (208263-74-5) State or local regulations U.S Pennsylvania - RTK (Right to Know) List U.S Pennsylvania - RTK (Right to Know) List U.S Pennsylvania - RTK (Right to Know) List			
U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List 2,2',3,4,4',5,5'-HEPTACB (PCB-180) (13C12, 99%) (35065-29-3 (Unlabeled)) State or local regulations U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List 2,2',3,3',4,4',5,5'-OCTACB (PCB-194) (13C12, 98%) (208263-74-5) State or local regulations U.S Pennsylvania - RTK (Right to Know) List			
U.S New Jersey - Right to Know Hazardous Substance List 2,2',3,4,4',5,5'-HEPTACB (PCB-180) (13C12, 99%) (35065-29-3 (Unlabeled)) State or local regulations U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List 2,2',3,3',4,4',5,5'-OCTACB (PCB-194) (13C12, 98%) (208263-74-5) State or local regulations U.S Pennsylvania - RTK (Right to Know) List U.S Pennsylvania - RTK (Right to Know) List			
State or local regulations U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List 2,2',3,3',4,4',5,5'-OCTACB (PCB-194) (13C12, 98%) (208263-74-5) State or local regulations U.S Pennsylvania - RTK (Right to Know) List			
U.S New Jersey - Right to Know Hazardous Substance List 2,2',3,3',4,4',5,5'-OCTACB (PCB-194) (13C12, 98%) (208263-74-5) State or local regulations U.S Pennsylvania - RTK (Right to Know) List			
State or local regulations U.S Pennsylvania - RTK (Right to Know) List			
U.S Pennsylvania - RTK (Right to Know) List			
2,2',5,5'-TETRACB (PCB-52) (13C12, 99%) (208263-80-3)			
State or local regulations			
U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List			
2,2',4,5,5'-PENTACB (PCB-101) (13C12, 99%) (104130-39-4)			
State or local regulations			
U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List			
2,3,3',4,4'-PENTACB (PCB-105) (13C12, 99%) (208263-62-1)			
State or local regulations			
U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List			
2,2',3,4,4',5'-HEXACB (PCB-138) (13C12, 99%) (208263-66-5)			
State or local regulations			
U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List			
2,2',3,4,4',5,6'-HEPTACB (PCB-182) (13C12, 99%) (60145-23-5 (Unlabeled))			
State or local regulations			
U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List			
2,2',3,3',4,4',5-HEPTACB (PCB-170) (13C12, 99%) (35065-30-6 (Unlabeled))			
State or local regulations			
U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List			
HEXACHLOROBENZENE (13C6, 99%) (93952-14-8)			
State or local regulations			
U.S Massachusetts - Right To Know List U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List			
BETA-BHC (13C6, 99%) (319-85-7 (Unlabeled))			
State or local regulations			
U.S Massachusetts - Right To Know List U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List			

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26, 2012 / Rules and Regulations						
4,4'-DDE (RING-13C12, 99%) (72-55-9 (Unlabeled))						
State or local regulations						
U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List						
TRANS-NONACHLOR (13C10, 98%) (39765-80-5 (Unlabeled))						
State or local regulations						
U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List						
CIS-NONACHLOR (13C10, 98%) (5103-73-1 (Unlabeled))						
State or local regulations						
U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List						
4,4'-DDT (RING-13C12, 99%) (104215-84-1)						
State or local regulations						
U.S Massachusetts - Right To Know List U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List						
OXYCHLORDANE (13C10, 99%) (27304-13-8 (Unlabeled))						
State or local regulations						
U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List						
2,2',4,4'-TETRABDE (BDE-47) (13C12, 99%) (5436-43-1 (Unlabeled))						
State or local regulations						
U.S Massachusetts - Right To Know List U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List						
2,2',4,4',5-PENTABDE (BDE-99) (13C12, 99%) (60348-60-9 (Unlabeled))						
State or local regulations						
U.S Massachusetts - Right To Know List U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List						
2.2',4.4',5.5'-HEXABDE (BDE-153) (13C12, 99%) (68631-49-2 (Unlabeled))						
State or local regulations						
U.S Massachusetts - Right To Know List U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List						
N-NONANE UNLABELED (111-84-2)						
State or local regulations						
U.S Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations U.S New Jersey - Right to Know Hazardous Substance List U.S Massachusetts - Right To Know List U.S Pennsylvania - RTK (Right to Know) List U.S New York - Reporting of Releases Part 597 - List of Hazardous Substances						
100% METHANOL UNLABELED (67-56-1)						
State or local regulations						
U.S Delaware - Pollutant Discharge Requirements - Reportable Quantities U.S Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations U.S Massachusetts - Right To Know List U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List U.S New York - Reporting of Releases Part 597 - List of Hazardous Substances						

SECTION 16: Other information

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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

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. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) 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
Asp. Tox. 1	Aspiration hazard Category 1
Carc. 1A	Carcinogenicity Category 1A
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
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 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
H301	Toxic if swallowed
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
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
H331	Toxic if inhaled
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H350	May cause cancer
H351	Suspected of causing cancer
H370	Causes 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
R10	Flammable
R11	Highly flammable
R20	Harmful by inhalation
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R21	Harmful in contact with skin
R22	Harmful if swallowed
R25	Toxic if swallowed
R33	Danger of cumulative effects
R36	Irritating to eyes

R36/37/38

R36/38

R37

Irritating to eyes and skin

Irritating to respiratory system

Irritating to eyes, respiratory system and skin

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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

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
R45	May cause cancer
R48	Danger of serious damage to health by prolonged exposure
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
R48/21/22	Harmful: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed
R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed
R49	May cause cancer by inhalation
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
R65	Harmful: may cause lung damage if swallowed
R67	Vapors may cause drowsiness and dizziness
F	Highly flammable
N	Dangerous for the environment
Т	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 Multi-Solvent 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