



# METHOD 1668A/B/C CALIBRATION SOLUTION CS3

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Issue date: 11/6/2014 Revision date: 9/19/2023 Supersedes: 4/29/2022 Version: 2.1

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : METHOD 1668A/B/C CALIBRATION SOLUTION CS3  
Product code : EC-4976-3

#### 1.2. Recommended use and restrictions on use

No additional information available

#### 1.3. Supplier

Cambridge Isotope Laboratories, Inc.  
50 Frontage Rd  
01810  
ANDOVER, MA, 01810  
USA  
T 1-800-322-1174  
[cilsales@isotope.com](mailto:cilsales@isotope.com) - [www.isotope.com](http://www.isotope.com)

#### 1.4. Emergency telephone number

Emergency number : 1-703-741-5970  
Chemtrec 1-800-424-9300 24 hours

### SECTION 2: Hazard(s) identification

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

##### GHS US classification

Flammable liquids Category 3	H226	Flammable liquid and vapor
Acute toxicity (inhalation:dust,mist) Category 4	H332	Harmful if inhaled
Skin corrosion/irritation Category 2	H315	Causes skin irritation
Serious eye damage/eye irritation Category 2A	H319	Causes serious eye irritation
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336	May cause drowsiness or dizziness
Aspiration hazard Category 1	H304	May be fatal if swallowed and enters airways
Hazardous to the aquatic environment – Acute Hazard Category 3	H402	Harmful to aquatic life
Hazardous to the aquatic environment – Chronic Hazard Category 3	H412	Harmful to aquatic life with long lasting effects

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

H226 - 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

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Precautionary statements (GHS US)	: H402 - Harmful to aquatic life H412 - Harmful to aquatic life with long lasting effects P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. heat, hot surfaces, open flames, sparks 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 dust, fume, gas, 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. P280 - Wear protective clothing, protective gloves. P301+P310 - If swallowed: Immediately call a poison center or 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. P312 - Call a poison center or doctor if you feel unwell. P321 - Specific treatment (see Hazard pictograms (CLP) on this label). 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. 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.
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### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	GHS US classification
N-NONANE UNLABELED	CAS-No.: 111-84-2	98.7047154	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

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Name	Product identifier	%	GHS US classification
ISOCTANE UNLABELED	CAS-No.: 540-84-1	1.2946089	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2-MONOCB (PCB-1) (13C12, 99%)	CAS-No.: 234432-85-0	0.0000139	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
4-MONOCB (PCB-3) (13C12, 99%)	CAS-No.: 208263-77-8	0.0000139	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2'-DICB (PCB-4) (13C12, 99%)	CAS-No.: 234432-86-1	0.0000139	Carc. 1A, H350 STOT RE 2, H373 Aquatic Chronic 1, H410
2,5-DICB (PCB-9) (13C12, 98-99%)	CAS-No.: 250694-89-4	0.0000139	STOT RE 2, H373 Aquatic Chronic 1, H410
4,4'-DICB (PCB-15) (13C12, 99%)	CAS-No.: 208263-67-6	0.0000139	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',6-TRICB (PCB-19) (13C12, 99%)	CAS-No.: 234432-87-2	0.0000139	Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,4,4'-TRICB (PCB-28) (13C12, 99%)	CAS-No.: 208263-76-7	0.0000139	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3,4,4'-TRICB (PCB-37) (13C12, 99%)	CAS-No.: 208263-79-0	0.0000139	Eye Dam. 1, H318 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	0.0000139	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',6,6'-TETRACB (PCB-54) (13C12, 98%)	CAS-No.: 234432-88-3	0.0000139	Carc. 1B, H350 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3,3',4,4'-TETRACB (PCB-77) (13C12, 99%)	CAS-No.: 105600-23-5	0.0000139	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3,4,4',5'-TETRACB (PCB-81) (13C12, 99%)	CAS-No.: 208461-24-9	0.0000139	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	0.0000139	STOT RE 2, H373 Aquatic Chronic 1, H410

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Name	Product identifier	%	GHS US classification
2,2',4,6,6'-PENTACB (PCB-104) (13C12, 98%)	CAS-No.: 234432-89-4	0.0000139	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3,3',4,4'-PENTACB (PCB-105) (13C12, 99%)	CAS-No.: 208263-62-1	0.0000139	Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3,3',5,5'-PENTACB (PCB-111) (13C12, 99%)	CAS-No.: 235416-29-2	0.0000139	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3,4,4',5-PENTACB (PCB-114) (13C12, 99%)	CAS-No.: 208263-63-2	0.0000139	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	0.0000139	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2',3,4,4',5-PENTACB (PCB-123) (13C12, 99%)	CAS-No.: 208263-64-3	0.0000139	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3,3',4,4',5-PENTACB (PCB-126) (13C12, 99%)	CAS-No.: 208263-65-4	0.0000139	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	0.0000139	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',4,4',6,6'-HEXACB (PCB-155) (13C12, 99%)	CAS-No.: 234432-90-7	0.0000139	Carc. 1B, H350 STOT RE 2, H373 Aquatic Chronic 1, H410
2,3,3',4,4',5-HEXACB (PCB-156) (13C12, 99%)	CAS-No.: 208263-68-7	0.0000139	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3,3',4,4',5'-HEXACB (PCB-157) (13C12, 99%)	CAS-No.: 235416-30-5	0.0000139	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3',4,4',5,5'-HEXACB (PCB-167) (13C12, 99%)	CAS-No.: 208263-69-8	0.0000139	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3,3',4,4',5,5'-HEXACB (PCB-169) (13C12, 99%)	CAS-No.: 32774-16-6 (Unlabeled)	0.0000139	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',3,3',5,5',6-HEPTACB (PCB-178) (13C12, 99%)	CAS-No.: 232919-67-4	0.0000139	Carc. 1B, H350 STOT RE 2, H373 Aquatic Chronic 1, H410
2,2',3,4',5,6,6'-HEPTACB (PCB-188) (13C12, 99%)	CAS-No.: 234432-91-8	0.0000139	Carc. 1B, H350 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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2,3,3',4,4',5,5'-HEPTACB (PCB-189) (13C12, 99%)	CAS-No.: 208263-73-4	0.0000139	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	0.0000139	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',3,3',5,5',6,6'-OCTACB (PCB-202) (13C12, 99%)	CAS-No.: 105600-26-8	0.0000139	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3,3',4,4',5,5',6-OCTACB (PCB-205) (13C12 99%)	CAS-No.: 234446-64-1	0.0000139	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',3,3',4,4',5,5',6-NONACB (PCB-206) (13C12, 99%)	CAS-No.: 208263-75-6	0.0000139	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',3,3',4,4',5,5',6'-NONACB (PCB-208) (13C12, 99%)	CAS-No.: 234432-92-9	0.0000139	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
DECACB (PCB-209) (13C12, 99%)	CAS-No.: 105600-27-9	0.0000139	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
2-MONOCB UNLABELED	CAS-No.: 2051-60-7	0.000007	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
4-MONOCB UNLABELED	CAS-No.: 2051-62-9	0.000007	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2'-DICB UNLABELED	CAS-No.: 13029-08-8	0.000007	Carc. 1B, H350 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
4,4'-DICB UNLABELED	CAS-No.: 2050-68-2	0.000007	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',6-TRICB UNLABELED	CAS-No.: 38444-73-4	0.000007	Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3,4,4'-TRICB UNLABELED	CAS-No.: 38444-90-5	0.000007	Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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2,2',6,6'-TETRACB UNLABELED	CAS-No.: 15968-05-5 (Unlabeled)	0.000007	Carc. 1B, H350 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3,3',4,4'-TETRACB UNLABELED	CAS-No.: 32598-13-3	0.000007	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3,4,4',5-TETRACB UNLABELED	CAS-No.: 70362-50-4	0.000007	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',4,6,6'-PENTACB UNLABELED	CAS-No.: 56558-16-8	0.000007	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3,3',4,4'-PENTACB UNLABELED	CAS-No.: 32598-14-4	0.000007	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	0.000007	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3',4,4',5-PENTACB UNLABELED	CAS-No.: 31508-00-6	0.000007	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2',3,4,4',5-PENTACB UNLABELED	CAS-No.: 65510-44-3	0.000007	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3,3',4,4',5-PENTACB UNLABELED	CAS-No.: 57465-28-8	0.000007	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	0.000007	Carc. 1B, H350 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	0.000007	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	0.000007	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	0.000007	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3,3',4,4',5,5'-HEXACB UNLABELED	CAS-No.: 32774-16-6	0.000007	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	0.000007	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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2,3,3',4,4',5,5'-HEPTACB UNLABELED	CAS-No.: 39635-31-9	0.000007	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	0.000007	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
DECACHLOROBIPHENYL UNLABELED	CAS-No.: 2051-24-3	0.000007	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
2,2',3,3',4,4',5,5',6-NONACB UNLABELED	CAS-No.: 40186-72-9	0.000007	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	0.000007	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	0.000007	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
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. Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

### 4.2. Most important symptoms and effects (acute and delayed)

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. Based on available data, the classification criteria are not met.
Symptoms/effects after inhalation	: Harmful if inhaled. May cause drowsiness or dizziness.
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.

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### 4.3. Immediate medical attention and special treatment, if necessary

No additional information available

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.  
Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Specific hazards arising from the chemical

Fire hazard : Flammable liquid and vapor.  
Explosion hazard : May form flammable/explosive vapor-air mixture.  
Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.  
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

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

General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Avoid breathing dust, mist or spray. Equip cleanup crew with proper protection.  
Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

For containment : For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Dike and contain spill. Dispose as hazardous waste. Comply with local regulations for disposal.  
Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## 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.



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Precautions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Use only outdoors or in a well-ventilated area.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

### 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. Use explosion-proof electrical equipment.
Storage conditions	: Store at room temperature away from light and moisture.
Incompatible products	: Strong bases. Strong acids.
Incompatible materials	: Sources of ignition. Direct sunlight. Heat sources.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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No additional information available	
<b>2-MONO CB (PCB-1) (13C12, 99%) (234432-85-0)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>4-MONO CB (PCB-3) (13C12, 99%) (208263-77-8)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>2,2'-DICB (PCB-4) (13C12, 99%) (234432-86-1)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>2,5-DICB (PCB-9) (13C12, 98-99%) (250694-89-4)</b>	
No additional information available	
<b>4,4'-DICB (PCB-15) (13C12, 99%) (208263-67-6)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>2,2',6-TRICB (PCB-19) (13C12, 99%) (234432-87-2)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.

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<b>2,4,4'-TRICB (PCB-28) (13C12, 99%) (208263-76-7)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>3,4,4'-TRICB (PCB-37) (13C12, 99%) (208263-79-0)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>2,2',5,5'-TETRACB (PCB-52) (13C12, 99%) (208263-80-3)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>USA - OSHA - Occupational Exposure Limits</b>	
OSHA PEL TWA [1]	0.5 mg/m <sup>3</sup>
<b>2,2',6,6'-TETRACB (PCB-54) (13C12, 98%) (234432-88-3)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>3,3',4,4'-TETRACB (PCB-77) (13C12, 99%) (105600-23-5)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>3,4,4',5-TETRACB (PCB-81) (13C12, 99%) (208461-24-9)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>2,2',4,5,5'-PENTACB (PCB-101) (13C12, 99%) (104130-39-4)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>2,2',4,6,6'-PENTACB (PCB-104) (13C12, 98%) (234432-89-4)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>2,3,3',4,4'-PENTACB (PCB-105) (13C12, 99%) (208263-62-1)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.

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<b>2,3,3',5,5'-PENTACB (PCB-111) (13C12, 99%) (235416-29-2)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>2,3,4,4',5-PENTACB (PCB-114) (13C12, 99%) (208263-63-2)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>2,3',4,4',5-PENTACB (PCB-118) (13C12, 98%) (104130-40-7)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>2',3,4,4',5-PENTACB (PCB-123) (13C12, 99%) (208263-64-3)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>3,3',4,4',5-PENTACB (PCB-126) (13C12, 99%) (208263-65-4)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>2,2',3,4,4',5'-HEXACB (PCB-138) (13C12, 99%) (208263-66-5)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>2,2',4,4',6,6'-HEXACB (PCB-155) (13C12, 99%) (234432-90-7)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>2,3,3',4,4',5-HEXACB (PCB-156) (13C12, 99%) (208263-68-7)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>2,3,3',4,4',5'-HEXACB (PCB-157) (13C12, 99%) (235416-30-5)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>2,3',4,4',5,5'-HEXACB (PCB-167) (13C12, 99%) (208263-69-8)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.

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<b>3,3',4,4',5,5'-HEXACB (PCB-169) (13C12, 99%) (32774-16-6 (Unlabeled))</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>2,2',3,3',5,5',6-HEPTACB (PCB-178) (13C12, 99%) (232919-67-4)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>2,2',3,4',5,6,6'-HEPTACB (PCB-188) (13C12, 99%) (234432-91-8)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>2,3,3',4,4',5,5'-HEPTACB (PCB-189) (13C12, 99%) (208263-73-4)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>2,2',3,3',4,4',5,5'-OCTACB (PCB-194) (13C12, 98%) (208263-74-5)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>2,2',3,3',5,5',6,6'-OCTACB (PCB-202) (13C12, 99%) (105600-26-8)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>2,3,3',4,4',5,5',6-OCTACB (PCB-205) (13C12 99%) (234446-64-1)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>2,2',3,3',4,4',5,5',6-NONACB (PCB-206) (13C12, 99%) (208263-75-6)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>2,2',3,3',4,5,5',6,6'-NONACB (PCB-208) (13C12, 99%) (234432-92-9)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>DECACB (PCB-209) (13C12, 99%) (105600-27-9)</b>	
<b>USA - NIOSH - Occupational Exposure Limits</b>	
NIOSH REL TWA	0.001 mg/m <sup>3</sup> USA. NIOSH Recommended Exposure Limits. Remarks : Potential Occupational Carcinogen.

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<b>N-NONANE UNLABELED (111-84-2)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	Nonane
ACGIH OEL TWA [ppm]	200 ppm USA. ACGIH Threshold Limit Values (TLV)
Remark (ACGIH)	CNS impair
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>USA - OSHA - Occupational Exposure Limits</b>	
OSHA PEL TWA [1]	1050 mg/m <sup>3</sup> USA. OSHA - Table Z-1 Limits for Air Contaminants - 1910.1000
OSHA PEL TWA [2]	200 ppm USA. OSHA - Table Z-1 Limits for Air Contaminants - 1910.1000
OSHA PEL C	1050 California permissible exposure limits for chemical contaminants.
OSHA PEL C [ppm]	200 ppm California permissible exposure limits for chemical contaminants.
<b>USA - NIOSH - Occupational Exposure Limits</b>	
NIOSH REL TWA	1050 mg/m <sup>3</sup> USA. NIOSH Recommended Exposure Limits
NIOSH REL TWA [ppm]	200 ppm USA. NIOSH Recommended Exposure Limits
Remark (NIOSH)	Central Nervous System impairment
<b>2-MONOCB UNLABELED (2051-60-7)</b>	
No additional information available	
<b>4-MONOCB UNLABELED (2051-62-9)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>2,2'-DICB UNLABELED (13029-08-8)</b>	
No additional information available	
<b>4,4'-DICB UNLABELED (2050-68-2)</b>	
No additional information available	
<b>2,2',6-TRICB UNLABELED (38444-73-4)</b>	
No additional information available	
<b>3,4,4'-TRICB UNLABELED (38444-90-5)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
<b>2,2',6,6'-TETRACB UNLABELED (15968-05-5 (Unlabeled))</b>	
No additional information available	
<b>3,3',4,4'-TETRACB UNLABELED (32598-13-3)</b>	
No additional information available	
<b>3,4,4',5-TETRACB UNLABELED (70362-50-4)</b>	
No additional information available	

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<b>2,2',4,6,6'-PENTACB UNLABELED (56558-16-8)</b>	
No additional information available	
<b>2,3,3',4,4'-PENTACB UNLABELED (32598-14-4)</b>	
No additional information available	
<b>2,3,4,4',5-PENTACB UNLABELED (74472-37-0)</b>	
No additional information available	
<b>2,3',4,4',5-PENTACB UNLABELED (31508-00-6)</b>	
No additional information available	
<b>2',3,4,4',5-PENTACB UNLABELED (65510-44-3)</b>	
No additional information available	
<b>3,3',4,4',5-PENTACB UNLABELED (57465-28-8)</b>	
No additional information available	
<b>2,2',4,4',6,6'-HEXACB UNLABELED (33979-03-2)</b>	
No additional information available	
<b>2,3,3',4,4',5-HEXACB UNLABELED (38380-08-4)</b>	
No additional information available	
<b>2,3,3',4,4',5'-HEXACB UNLABELED (69782-90-7)</b>	
No additional information available	
<b>2,3',4,4',5,5'-HEXACB UNLABELED (52663-72-6)</b>	
No additional information available	
<b>3,3',4,4',5,5'-HEXACB UNLABELED (32774-16-6)</b>	
No additional information available	
<b>2,2',3,4',5,6,6'-HEPTACB UNLABELED (74487-85-7)</b>	
No additional information available	
<b>2,3,3',4,4',5,5'-HEPTACB UNLABELED (39635-31-9)</b>	
No additional information available	
<b>2,2',3,3',5,5',6,6'-OCTACB UNLABELED (2136-99-4)</b>	
No additional information available	
<b>DECACHLOROBIPHENYL UNLABELED (2051-24-3)</b>	
<b>USA - NIOSH - Occupational Exposure Limits</b>	
NIOSH REL TWA	0.001 mg/m <sup>3</sup> USA. NIOSH Recommended Exposure Limits. Remarks : Potential Occupational Carcinogen.
<b>2,2',3,3',4,4',5,5',6-NONACB UNLABELED (40186-72-9)</b>	
No additional information available	
<b>2,3,3',4,4',5,5',6-OCTACB UNLABELED (74472-53-0)</b>	
No additional information available	

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### 2,2',3,3',4,5,5',6,6'-NONACB UNLABELED (52663-77-1)

No additional information available

### ISOCTANE UNLABELED (540-84-1)

#### USA - ACGIH - Occupational Exposure Limits

ACGIH OEL TWA [ppm]	300 ppm Basis: USA. ACGIH Threshold Limit Values (TLV)
Remark (ACGIH)	Upper Respiratory Tract irritation
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.

### 8.2. Appropriate engineering controls

No additional information available

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Gloves. Protective clothing. Protective goggles. Self-contained breathing apparatus. Avoid all unnecessary exposure.

#### Hand protection:

Wear protective gloves.

#### Eye protection:

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.

#### Personal protective equipment symbol(s):



#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Appearance	: Liquid.
Color	: Colorless
Odor	: characteristic
Odor threshold	: No data available
pH	: 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
Relative evaporation rate (butyl acetate=1)	: No data available

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Flammability (solid, gas)	: 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
Density	: 0.718 g/ml at 25 °C (77 °F)
Molecular mass	: 128.3 g/mol
Solubility	: Water: 0.0002 %
Partition coefficient n-octanol/water (Log Pow)	: 5.65
Auto-ignition temperature	: 205 °C (401 °F)
Decomposition temperature	: No data available
Viscosity, kinematic	: ≤ 1.008 mm <sup>2</sup> /s at 20 °C (68 °F)
Viscosity, dynamic	: No data available
Explosion limits	: 0.87 – 2.9 % (V)
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Flammable liquid and vapor. Vapors may form flammable mixture with air.

### 10.2. Chemical stability

See storage and expiration date on CoA.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. May release flammable gases.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Harmful if inhaled.

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ATE US (dust, mist)	1.5 mg/l/4h
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#### DECACB (PCB-209) (13C12, 99%) (105600-27-9)

ATE US (oral)	500 mg/kg body weight
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<b>DECACB (PCB-209) (13C12, 99%) (105600-27-9)</b>	
ATE US (dermal)	1100 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h
<b>N-NONANE UNLABELED (111-84-2)</b>	
LC50 Inhalation - Rat	23760 mg/m <sup>3</sup> male - 4 h
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h
Skin corrosion/irritation, Dermal, rat	Result: Skin Irritation (Draize Test)
Additional information	: S. Typhimurium Result: negative
<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 US (oral)	500 mg/kg body weight
ATE US (dermal)	1100 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h
<b>ISOCTANE 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	> 33.52 mg/l/4h (OECD Test Guideline 403)
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
<b>2-MONOCB (PCB-1) (13C12, 99%) (234432-85-0)</b>	
IARC group	2A - Probably carcinogenic to humans
<b>4-MONOCB (PCB-3) (13C12, 99%) (208263-77-8)</b>	
IARC group	2A - Probably carcinogenic to humans
<b>2,2'-DICB (PCB-4) (13C12, 99%) (234432-86-1)</b>	
IARC group	2A - Probably carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
<b>2,5-DICB (PCB-9) (13C12, 98-99%) (250694-89-4)</b>	
IARC group	2A - Probably carcinogenic to humans

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<b>2,5-DICB (PCB-9) (13C12, 98-99%) (250694-89-4)</b>	
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
<b>2,2',6-TRICB (PCB-19) (13C12, 99%) (234432-87-2)</b>	
IARC group	2A - Probably carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
<b>3,4,4'-TRICB (PCB-37) (13C12, 99%) (208263-79-0)</b>	
IARC group	2A - Probably carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
<b>2,2',5,5'-TETRACB (PCB-52) (13C12, 99%) (208263-80-3)</b>	
IARC group	2A - Probably carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
<b>2,2',6,6'-TETRACB (PCB-54) (13C12, 98%) (234432-88-3)</b>	
IARC group	2A - Probably carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
<b>3,4,4',5-TETRACB (PCB-81) (13C12, 99%) (208461-24-9)</b>	
IARC group	2A - Probably carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
<b>2,2',4,5,5'-PENTACB (PCB-101) (13C12, 99%) (104130-39-4)</b>	
IARC group	2A - Probably carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
<b>2,2',4,6,6'-PENTACB (PCB-104) (13C12, 98%) (234432-89-4)</b>	
IARC group	2A - Probably carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
<b>2,3,3',4,4'-PENTACB (PCB-105) (13C12, 99%) (208263-62-1)</b>	
IARC group	2A - Probably carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
<b>2',3,4,4',5-PENTACB (PCB-123) (13C12, 99%) (208263-64-3)</b>	
IARC group	2A - Probably carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
<b>3,3',4,4',5-PENTACB (PCB-126) (13C12, 99%) (208263-65-4)</b>	
IARC group	2A - Probably carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
<b>2,2',3,4,4',5'-HEXACB (PCB-138) (13C12, 99%) (208263-66-5)</b>	
IARC group	2A - Probably carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen

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<b>2,2',4,4',6,6'-HEXACB (PCB-155) (13C12, 99%) (234432-90-7)</b>	
IARC group	2A - Probably carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
<b>2,3,3',4,4',5'-HEXACB (PCB-157) (13C12, 99%) (235416-30-5)</b>	
IARC group	2A - Probably carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
<b>2,3',4,4',5,5'-HEXACB (PCB-167) (13C12, 99%) (208263-69-8)</b>	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
<b>3,3',4,4',5,5'-HEXACB (PCB-169) (13C12, 99%) (32774-16-6 (Unlabeled))</b>	
IARC group	2A - Probably carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
<b>2,2',3,3',5,5',6-HEPTACB (PCB-178) (13C12, 99%) (232919-67-4)</b>	
IARC group	2A - Probably carcinogenic to humans
<b>2,3,3',4,4',5,5'-HEPTACB (PCB-189) (13C12, 99%) (208263-73-4)</b>	
IARC group	2A - Probably carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
<b>2,2',3,3',4,4',5,5'-OCTACB (PCB-194) (13C12, 98%) (208263-74-5)</b>	
IARC group	2A - Probably carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
<b>2,2',3,3',5,5',6,6'-OCTACB (PCB-202) (13C12, 99%) (105600-26-8)</b>	
IARC group	2A - Probably carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
<b>2,3,3',4,4',5,5',6-OCTACB (PCB-205) (13C12 99%) (234446-64-1)</b>	
IARC group	2A - Probably carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
<b>2,2',3,3',4,4',5,5',6-NONACB (PCB-206) (13C12, 99%) (208263-75-6)</b>	
IARC group	2A - Probably carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
<b>2,2',3,3',4,5,5',6,6'-NONACB (PCB-208) (13C12, 99%) (234432-92-9)</b>	
IARC group	2A - Probably carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
<b>4-MONOCB UNLABELED (2051-62-9)</b>	
IARC group	2A - Probably carcinogenic to humans
<b>3,4,4'-TRICB UNLABELED (38444-90-5)</b>	
IARC group	2A - Probably carcinogenic to humans

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<b>3,4,4'-TRICB UNLABELED (38444-90-5)</b>	
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
<b>3,3',4,4',5-PENTACB UNLABELED (57465-28-8)</b>	
IARC group	1 - Carcinogenic to humans
<b>2,2',3,3',5,5',6,6'-OCTACB UNLABELED (2136-99-4)</b>	
IARC group	2A - Probably carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.
<b>DECACB (PCB-209) (13C12, 99%) (105600-27-9)</b>	
STOT-single exposure	May cause damage to organs (endocrine system) (Dermal, Inhalation, oral).
<b>N-NONANE UNLABELED (111-84-2)</b>	
STOT-single exposure	May cause drowsiness or dizziness.
<b>DECACHLOROBIPHENYL UNLABELED (2051-24-3)</b>	
STOT-single exposure	May cause damage to organs (endocrine system) (Dermal, Inhalation, oral).
<b>ISOCTANE UNLABELED (540-84-1)</b>	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified
<b>2-MONOCB (PCB-1) (13C12, 99%) (234432-85-0)</b>	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>4-MONOCB (PCB-3) (13C12, 99%) (208263-77-8)</b>	
STOT-repeated exposure	May cause damage to organs (liver, kidneys) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,2'-DICB (PCB-4) (13C12, 99%) (234432-86-1)</b>	
STOT-repeated exposure	May cause damage to organs (kidneys, liver) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,5-DICB (PCB-9) (13C12, 98-99%) (250694-89-4)</b>	
STOT-repeated exposure	May cause damage to organs (kidneys, liver) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>4,4'-DICB (PCB-15) (13C12, 99%) (208263-67-6)</b>	
STOT-repeated exposure	May cause damage to organs (kidneys, liver) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,2',6-TRICB (PCB-19) (13C12, 99%) (234432-87-2)</b>	
STOT-repeated exposure	May cause damage to organs (kidneys, liver) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,4,4'-TRICB (PCB-28) (13C12, 99%) (208263-76-7)</b>	
STOT-repeated exposure	May cause damage to organs (liver) through prolonged or repeated exposure (Dermal, Inhalation, oral).

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<b>3,4,4'-TRICB (PCB-37) (13C12, 99%) (208263-79-0)</b>	
STOT-repeated exposure	May cause damage to organs (kidneys, liver) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,2',5,5'-TETRACB (PCB-52) (13C12, 99%) (208263-80-3)</b>	
STOT-repeated exposure	May cause damage to organs (central nervous system, kidneys, liver, Skin) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,2',6,6'-TETRACB (PCB-54) (13C12, 98%) (234432-88-3)</b>	
STOT-repeated exposure	May cause damage to organs (kidneys, liver) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>3,3',4,4'-TETRACB (PCB-77) (13C12, 99%) (105600-23-5)</b>	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>3,4,4',5-TETRACB (PCB-81) (13C12, 99%) (208461-24-9)</b>	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,2',4,5,5'-PENTACB (PCB-101) (13C12, 99%) (104130-39-4)</b>	
STOT-repeated exposure	May cause damage to organs (liver) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,2',4,6,6'-PENTACB (PCB-104) (13C12, 98%) (234432-89-4)</b>	
STOT-repeated exposure	May cause damage to organs (liver, kidneys) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,3,3',4,4'-PENTACB (PCB-105) (13C12, 99%) (208263-62-1)</b>	
STOT-repeated exposure	May cause damage to organs (liver, kidneys, eyes, urinary bladder) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,3,3',5,5'-PENTACB (PCB-111) (13C12, 99%) (235416-29-2)</b>	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,3,4,4',5-PENTACB (PCB-114) (13C12, 99%) (208263-63-2)</b>	
STOT-repeated exposure	May cause damage to organs (liver) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,3',4,4',5-PENTACB (PCB-118) (13C12, 98%) (104130-40-7)</b>	
STOT-repeated exposure	May cause damage to organs (liver) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2',3,4,4',5-PENTACB (PCB-123) (13C12, 99%) (208263-64-3)</b>	
STOT-repeated exposure	May cause damage to organs (liver) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>3,3',4,4',5-PENTACB (PCB-126) (13C12, 99%) (208263-65-4)</b>	
STOT-repeated exposure	May cause damage to organs (kidneys, liver, central nervous system, Skin) through prolonged or repeated exposure (Dermal, Inhalation, oral).

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<b>2,2',3,4,4',5'-HEXACB (PCB-138) (13C12, 99%) (208263-66-5)</b>	
STOT-repeated exposure	May cause damage to organs (kidneys, liver, urinary bladder) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,2',4,4',6,6'-HEXACB (PCB-155) (13C12, 99%) (234432-90-7)</b>	
STOT-repeated exposure	May cause damage to organs (kidneys, liver, central nervous system) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,3,3',4,4',5'-HEXACB (PCB-156) (13C12, 99%) (208263-68-7)</b>	
STOT-repeated exposure	May cause damage to organs (liver) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,3,3',4,4',5'-HEXACB (PCB-157) (13C12, 99%) (235416-30-5)</b>	
STOT-repeated exposure	May cause damage to organs (liver) through prolonged or repeated exposure (Inhalation, oral, Dermal).
<b>2,3',4,4',5,5'-HEXACB (PCB-167) (13C12, 99%) (208263-69-8)</b>	
STOT-repeated exposure	May cause damage to organs (kidneys, liver, urinary bladder) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>3,3',4,4',5,5'-HEXACB (PCB-169) (13C12, 99%) (32774-16-6 (Unlabeled))</b>	
STOT-repeated exposure	May cause damage to organs (liver, Skin) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,2',3,3',5,5',6-HEPTACB (PCB-178) (13C12, 99%) (232919-67-4)</b>	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
<b>2,2',3,4',5,6,6'-HEPTACB (PCB-188) (13C12, 99%) (234432-91-8)</b>	
STOT-repeated exposure	May cause damage to organs (kidneys, liver) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,3,3',4,4',5,5'-HEPTACB (PCB-189) (13C12, 99%) (208263-73-4)</b>	
STOT-repeated exposure	May cause damage to organs (liver, Skin) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,2',3,3',4,4',5,5'-OCTACB (PCB-194) (13C12, 98%) (208263-74-5)</b>	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,2',3,3',5,5',6,6'-OCTACB (PCB-202) (13C12, 99%) (105600-26-8)</b>	
STOT-repeated exposure	May cause damage to organs (kidneys, liver, Skin) through prolonged or repeated exposure (Inhalation, Dermal, oral).
<b>2,3,3',4,4',5,5',6-OCTACB (PCB-205) (13C12 99%) (234446-64-1)</b>	
STOT-repeated exposure	May cause damage to organs (kidneys, liver, Skin) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,2',3,3',4,4',5,5',6-NONACB (PCB-206) (13C12, 99%) (208263-75-6)</b>	
STOT-repeated exposure	May cause damage to organs (kidneys, liver, Skin) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,2',3,3',4,5,5',6,6'-NONACB (PCB-208) (13C12, 99%) (234432-92-9)</b>	
STOT-repeated exposure	May cause damage to organs (kidneys, liver, Skin) through prolonged or repeated exposure (Dermal, Inhalation, oral).

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<b>2-MONOCB UNLABELED (2051-60-7)</b>	
STOT-repeated exposure	May cause damage to organs (liver) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>4-MONOCB UNLABELED (2051-62-9)</b>	
STOT-repeated exposure	May cause damage to organs (liver) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,2'-DICB UNLABELED (13029-08-8)</b>	
STOT-repeated exposure	May cause damage to organs (kidneys, liver, Skin) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>4,4'-DICB UNLABELED (2050-68-2)</b>	
STOT-repeated exposure	May cause damage to organs (kidneys, liver) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,2',6-TRICB UNLABELED (38444-73-4)</b>	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure (Inhalation, oral, Dermal).
<b>3,4,4'-TRICB UNLABELED (38444-90-5)</b>	
STOT-repeated exposure	May cause damage to organs (kidneys, liver) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,2',6,6'-TETRACB UNLABELED (15968-05-5 (Unlabeled))</b>	
STOT-repeated exposure	May cause damage to organs (liver, kidneys, central nervous system, Skin) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>3,3',4,4'-TETRACB UNLABELED (32598-13-3)</b>	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>3,4,4',5-TETRACB UNLABELED (70362-50-4)</b>	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,2',4,6,6'-PENTACB UNLABELED (56558-16-8)</b>	
STOT-repeated exposure	May cause damage to organs (liver) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,3,3',4,4'-PENTACB UNLABELED (32598-14-4)</b>	
STOT-repeated exposure	May cause damage to organs (eyes, kidneys, liver, urinary bladder) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,3,4,4',5-PENTACB UNLABELED (74472-37-0)</b>	
STOT-repeated exposure	May cause damage to organs (liver) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,3',4,4',5-PENTACB UNLABELED (31508-00-6)</b>	
STOT-repeated exposure	May cause damage to organs (liver) through prolonged or repeated exposure (Dermal, Inhalation, oral).

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<b>2',3,4,4',5-PENTACB UNLABELED (65510-44-3)</b>	
STOT-repeated exposure	May cause damage to organs (liver) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>3,3',4,4',5-PENTACB UNLABELED (57465-28-8)</b>	
STOT-repeated exposure	May cause damage to organs (liver, kidneys, central nervous system, Skin) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,2',4,4',6,6'-HEXACB UNLABELED (33979-03-2)</b>	
STOT-repeated exposure	May cause damage to organs (liver, kidneys, central nervous system, Skin) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,3,3',4,4',5-HEXACB UNLABELED (38380-08-4)</b>	
STOT-repeated exposure	May cause damage to organs (liver) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,3,3',4,4',5'-HEXACB UNLABELED (69782-90-7)</b>	
STOT-repeated exposure	May cause damage to organs (liver) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,3',4,4',5,5'-HEXACB UNLABELED (52663-72-6)</b>	
STOT-repeated exposure	May cause damage to organs (liver) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>3,3',4,4',5,5'-HEXACB UNLABELED (32774-16-6)</b>	
STOT-repeated exposure	May cause damage to organs (liver, Skin) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,2',3,4',5,6,6'-HEPTACB UNLABELED (74487-85-7)</b>	
STOT-repeated exposure	May cause damage to organs (kidneys, liver, Skin) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,3,3',4,4',5,5'-HEPTACB UNLABELED (39635-31-9)</b>	
STOT-repeated exposure	May cause damage to organs (liver) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,2',3,3',5,5',6,6'-OCTACB UNLABELED (2136-99-4)</b>	
STOT-repeated exposure	May cause damage to organs (liver, Skin) through prolonged or repeated exposure (Inhalation, Dermal, oral).
<b>2,2',3,3',4,4',5,5',6-NONACB UNLABELED (40186-72-9)</b>	
STOT-repeated exposure	May cause damage to organs (kidneys, liver, Skin) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,3,3',4,4',5,5',6-OCTACB UNLABELED (74472-53-0)</b>	
STOT-repeated exposure	May cause damage to organs (kidneys, liver, Skin) through prolonged or repeated exposure (Dermal, Inhalation, oral).
<b>2,2',3,3',4,5,5',6,6'-NONACB UNLABELED (52663-77-1)</b>	
STOT-repeated exposure	May cause damage to organs (kidneys, liver, Skin) through prolonged or repeated exposure (Dermal, Inhalation, oral).

Aspiration hazard : May be fatal if swallowed and enters airways.

Viscosity, kinematic : ≤ 1.008 mm<sup>2</sup>/s at 20 °C (68 °F)



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<b>N-NONANE UNLABELED (111-84-2)</b>	
Viscosity, kinematic	≤ 1.008 mm <sup>2</sup> /s at 20 °C (68 °F)
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. Based on available data, the classification criteria are not met.
Symptoms/effects after inhalation	: Harmful if inhaled. May cause drowsiness or dizziness.
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 : Harmful to aquatic life with long lasting effects.

<b>2-MONOCB (PCB-1) (13C12, 99%) (234432-85-0)</b>	
LC50 - Fish [1]	0.54 mg/l Oncorhynchus mykiss (rainbow trout) - 96 h
EC50 - Crustacea [1]	0.71 mg/l Daphnia magna (Water flea) - 48 h
<b>4-MONOCB (PCB-3) (13C12, 99%) (208263-77-8)</b>	
LC50 - Fish [1]	0.72 mg/l Oncorhynchus mykiss (rainbow trout) - 96 h
EC50 - Crustacea [1]	0.42 mg/l Daphnia magna (Water flea) - 48 h
<b>4,4'-DICB (PCB-15) (13C12, 99%) (208263-67-6)</b>	
EC50 - Crustacea [1]	0.45 mg/l Daphnia Magna (Water flea) - 48 h
<b>2,4,4'-TRICB (PCB-28) (13C12, 99%) (208263-76-7)</b>	
LC50 - Fish [1]	> 0.16 mg/l Pimpephale promelas (fathead minnow) -96h
EC50 - Crustacea [1]	> 0.16 mg/l Daphnia magna (Water flea) -48h
<b>2,2',5,5'-TETRACB (PCB-52) (13C12, 99%) (208263-80-3)</b>	
LC50 - Fish [1]	≥ 0.002 mg/l Pimephales promelas (fathead minnow) - 96 h
EC50 - Crustacea [1]	≥ 0.002 mg/l Daphnia magna (Water flea) - 48 h
NOEC (chronic)	0.1 mg/l Oncorhynchus mykiss (rainbow trout) - 7 d
<b>3,3',4,4'-TETRACB (PCB-77) (13C12, 99%) (105600-23-5)</b>	
LC50 - Fish [1]	> 0.002 mg/l Pimephales promelas (fathead minnow) - 96 h
EC50 - Crustacea [1]	> 0.002 mg/l Daphnia magna (Water flea) - 48 h
LOEC (chronic)	0.5 mg/l mortality: Pimephales promelas (fathead minnow) - 7 d
NOEC (chronic)	0.1 mg/l mortality: Oncorhynchus mykiss (rainbow trout) - 7 d
<b>2-MONOCB UNLABELED (2051-60-7)</b>	
LC50 - Fish [1]	0.54 mg/l Oncorhynchus mykiss (rainbow trout) - 96 h
EC50 - Crustacea [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

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<b>4-MONOCB UNLABELED (2051-62-9)</b>	
EC50 - Crustacea [1]	0.42 mg/l Daphnia magna (Water flea) - 48 h
<b>4,4'-DICB UNLABELED (2050-68-2)</b>	
EC50 - Crustacea [1]	0.45 mg/l Daphnia Magna (Water flea) - 48 h
<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 - Crustacea [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 - Crustacea [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'-PENTACB UNLABELED (32598-14-4)</b>	
LC50 - Fish [1]	> 0.16 mg/l Pimephales promelas (fathead minnow) - 96 h
EC50 - Crustacea [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 - Crustacea [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 - Crustacea [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 - Crustacea [1]	> 0.16 mg/l Daphnia magna (Water flea) - 48 h
<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 - Crustacea [1]	> 0.16 mg/l Daphnia magna (Water flea) - 48 h

## 12.2. Persistence and degradability

<b>METHOD 1668A/B/C CALIBRATION SOLUTION CS3</b>	
Persistence and degradability	Not established.
<b>DECACB (PCB-209) (13C12, 99%) (105600-27-9)</b>	
Persistence and degradability	May cause long-term adverse effects in the environment.
<b>DECACHLOROBIPHENYL UNLABELED (2051-24-3)</b>	
Persistence and degradability	May cause long-term adverse effects in the environment.

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### 12.3. Bioaccumulative potential

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Partition coefficient n-octanol/water (Log Pow)	5.65
Bioaccumulative potential	Not established.
4-MONOCB (PCB-3) (13C12, 99%) (208263-77-8)	
Bioconcentration factor (BCF REACH)	54 Oryzias latipes - 500 ug/l - 20 d
2,2'-DICB (PCB-4) (13C12, 99%) (234432-86-1)	
Partition coefficient n-octanol/water (Log Pow)	4.1
4,4'-DICB (PCB-15) (13C12, 99%) (208263-67-6)	
BCF - Fish [1]	Cyprinus carpio (Carp) - 28 d
Bioconcentration factor (BCF REACH)	14,000
Partition coefficient n-octanol/water (Log Pow)	4.1
3,3',4,4'-TETRACB (PCB-77) (13C12, 99%) (105600-23-5)	
Partition coefficient n-octanol/water (Log Pow)	6.63
Bioaccumulative potential	Bioaccumulation: Oryzias latipes - 20 d Bioconcentration factor (BCF): 81.5.
2,3',4,4',5-PENTACB (PCB-118) (13C12, 98%) (104130-40-7)	
Partition coefficient n-octanol/water (Log Pow)	7.12
3,3',4,4',5,5'-HEXACB (PCB-169) (13C12, 99%) (32774-16-6 (Unlabeled))	
Partition coefficient n-octanol/water (Log Pow)	6.7
2,2',3,4',5,6,6'-HEPTACB (PCB-188) (13C12, 99%) (234432-91-8)	
Partition coefficient n-octanol/water (Log Pow)	8.27
N-NONANE UNLABELED (111-84-2)	
Partition coefficient n-octanol/water (Log Pow)	5.65
Bioaccumulative potential	Indication of bioaccumulation.
4-MONOCB UNLABELED (2051-62-9)	
BCF - Fish [1]	≥ 0.5 mg/l Oryzias latipes - 20 d
Bioconcentration factor (BCF REACH)	≥ 54
2,2'-DICB UNLABELED (13029-08-8)	
Partition coefficient n-octanol/water (Log Pow)	4.1
3,3',4,4'-TETRACB UNLABELED (32598-13-3)	
Bioconcentration factor (BCF REACH)	81.5
Bioaccumulative potential	Bioaccumulation: Oryzias latipes - 20 d Bioconcentration factor (BCF): 81.5.
2,3',4,4',5-PENTACB UNLABELED (31508-00-6)	
Partition coefficient n-octanol/water (Log Pow)	7.12
ISOCTANE UNLABELED (540-84-1)	
Partition coefficient n-octanol/water (Log Pow)	4.6

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### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Other adverse effects : Disposal must be done according to official regulations.  
Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Disposal 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. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to Comply with applicable regulations.  
Additional information : Handle empty containers with care because residual vapors are flammable.  
Ecology - waste materials : Dispose of as unused product. Avoid release to the environment. Hazardous waste due to toxicity.

## SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

### 14.1. UN number

DOT NA No : UN1920  
UN-No. (TDG) : UN1920  
UN-No. (IMDG) : 1920  
UN-No. (IATA) : 1920

### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Nonanes  
Proper Shipping Name (TDG) : NONANES  
Proper Shipping Name (IMDG) : NONANES  
Proper Shipping Name (IATA) : Nonanes

### 14.3. Transport hazard class(es)

#### DOT

Transport hazard class(es) (DOT) : 3  
Hazard labels (DOT) : 3



#### TDG

Transport hazard class(es) (TDG) : 3  
Hazard labels (TDG) : 3

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### IMDG

Transport hazard class(es) (IMDG) : 3

Hazard labels (IMDG) : 3



### IATA

Transport hazard class(es) (IATA) : 3

Hazard labels (IATA) : 3



## 14.4. Packing group

Packing group (DOT) : III

Packing group (TDG) : III

Packing group (IMDG) : III

Packing group (IATA) : III

## 14.5. Environmental hazards

Marine pollutant : Yes (IMDG only)



Other information : No supplementary information available.

## 14.6. Special precautions for user

### DOT

UN-No.(DOT) : UN1920

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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) TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: tr is the maximum mean bulk temperature during transport, tf is the temperature in degrees celsius of the liquid during filling, and a is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling (tf) and the maximum mean bulk temperature during transportation (tr) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image) Where: d15 and d50 are the densities (in units of mass per unit volume) of the liquid at 15 C (59 F) and 50 C (122 F), respectively.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 220 L
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
<b>TDG</b>	
UN-No. (TDG)	: UN1920
Explosive Limit and Limited Quantity Index	: 5 L
Excepted quantities (TDG)	: E1
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	: 60 L
Emergency Response Guide (ERG) Number	: 128
<b>IMDG</b>	
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T2
Tank special provisions (IMDG)	: TP1
EmS-No. (Fire)	: F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage)	: S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER
Stowage category (IMDG)	: A
Flash point (IMDG)	: '
Properties and observations (IMDG)	: Colourless liquids. Explosive limits: 0.8% to 2.9% normal-NONANE: flashpoint 31°C c.c. Immiscible with water. Irritating to skin, eyes and mucous membranes.
MFAG-No	: 128
<b>IATA</b>	
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y344
PCA limited quantity max net quantity (IATA)	: 10L
PCA packing instructions (IATA)	: 355
PCA max net quantity (IATA)	: 60L
CAO packing instructions (IATA)	: 366
CAO max net quantity (IATA)	: 220L

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ERG code (IATA)

: 3L

### 14.7. 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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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

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
2-MONOCB (PCB-1) (13C12, 99%)	234432-85-0	Not present	-	
4-MONOCB (PCB-3) (13C12, 99%)	208263-77-8	Not present	-	
2,2'-DICB (PCB-4) (13C12, 99%)	234432-86-1	Not present	-	
2,5-DICB (PCB-9) (13C12, 98-99%)	250694-89-4	Not present	-	
4,4'-DICB (PCB-15) (13C12, 99%)	208263-67-6	Not present	-	
2,2',6-TRICB (PCB-19) (13C12, 99%)	234432-87-2	Not present	-	
2,4,4'-TRICB (PCB-28) (13C12, 99%)	208263-76-7	Not present	-	
3,4,4'-TRICB (PCB-37) (13C12, 99%)	208263-79-0	Not present	-	
2,2',5,5'-TETRACB (PCB-52) (13C12, 99%)	208263-80-3	Not present	-	
2,2',6,6'-TETRACB (PCB-54) (13C12, 98%)	234432-88-3	Not present	-	
3,3',4,4'-TETRACB (PCB-77) (13C12, 99%)	105600-23-5	Not present	-	
3,4,4',5-TETRACB (PCB-81) (13C12, 99%)	208461-24-9	Not present	-	
2,2',4,5,5'-PENTACB (PCB-101) (13C12, 99%)	104130-39-4	Not present	-	
2,2',4,6,6'-PENTACB (PCB-104) (13C12, 98%)	234432-89-4	Not present	-	
2,3,3',4,4'-PENTACB (PCB-105) (13C12, 99%)	208263-62-1	Not present	-	
2,3,3',5,5'-PENTACB (PCB-111) (13C12, 99%)	235416-29-2	Not present	-	
2,3,4,4',5-PENTACB (PCB-114) (13C12, 99%)	208263-63-2	Not present	-	
2,3',4,4',5-PENTACB (PCB-118) (13C12, 98%)	104130-40-7	Not present	-	
2',3,4,4',5-PENTACB (PCB-123) (13C12, 99%)	208263-64-3	Not present	-	
3,3',4,4',5-PENTACB (PCB-126) (13C12, 99%)	208263-65-4	Not present	-	
2,2',3,4,4',5'-HEXACB (PCB-138) (13C12, 99%)	208263-66-5	Not present	-	
2,2',4,4',6,6'-HEXACB (PCB-155) (13C12, 99%)	234432-90-7	Not present	-	
2,3,3',4,4',5-HEXACB (PCB-156) (13C12, 99%)	208263-68-7	Not present	-	
2,3,3',4,4',5'-HEXACB (PCB-157) (13C12, 99%)	235416-30-5	Not present	-	

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Name	CAS-No.	Listing	Commercial status	Flags
2,3',4,4',5,5'-HEXACB (PCB-167) (13C12, 99%)	208263-69-8	Not present	-	
3,3',4,4',5,5'-HEXACB (PCB-169) (13C12, 99%)	32774-16-6 (Unlabeled)	Not present	-	
2,2',3,3',5,5',6-HEPTACB (PCB-178) (13C12, 99%)	232919-67-4	Not present	-	
2,2',3,4',5,6,6'-HEPTACB (PCB-188) (13C12, 99%)	234432-91-8	Not present	-	
2,3,3',4,4',5,5'-HEPTACB (PCB-189) (13C12, 99%)	208263-73-4	Not present	-	
2,2',3,3',4,4',5,5'-OCTACB (PCB-194) (13C12, 98%)	208263-74-5	Not present	-	
2,2',3,3',5,5',6,6'-OCTACB (PCB-202) (13C12, 99%)	105600-26-8	Not present	-	
2,3,3',4,4',5,5',6-OCTACB (PCB-205) (13C12 99%)	234446-64-1	Not present	-	
2,2',3,3',4,4',5,5',6-NONACB (PCB-206) (13C12, 99%)	208263-75-6	Not present	-	
2,2',3,3',4,5,5',6,6'-NONACB (PCB-208) (13C12, 99%)	234432-92-9	Not present	-	
DECACB (PCB-209) (13C12, 99%)	105600-27-9	Not present	-	
N-NONANE UNLABELED	111-84-2	Present	Active	T
2-MONOCB UNLABELED	2051-60-7	Not present	-	
4-MONOCB UNLABELED	2051-62-9	Not present	-	
2,2'-DICB UNLABELED	13029-08-8	Not present	-	
4,4'-DICB UNLABELED	2050-68-2	Not present	-	
2,2',6-TRICB UNLABELED	38444-73-4	Not present	-	
3,4,4'-TRICB UNLABELED	38444-90-5	Not present	-	
2,2',6,6'-TETRACB UNLABELED	15968-05-5 (Unlabeled)	Not present	-	
3,3',4,4'-TETRACB UNLABELED	32598-13-3	Not present	-	
3,4,4',5-TETRACB UNLABELED	70362-50-4	Not present	-	
2,2',4,6,6'-PENTACB UNLABELED	56558-16-8	Not present	-	
2,3,3',4,4'-PENTACB UNLABELED	32598-14-4	Not present	-	
2,3,4,4',5-PENTACB UNLABELED	74472-37-0	Not present	-	
2,3',4,4',5-PENTACB UNLABELED	31508-00-6	Not present	-	
2',3,4,4',5-PENTACB UNLABELED	65510-44-3	Not present	-	
3,3',4,4',5-PENTACB UNLABELED	57465-28-8	Not present	-	
2,2',4,4',6,6'-HEXACB UNLABELED	33979-03-2	Not present	-	
2,3,3',4,4',5-HEXACB UNLABELED	38380-08-4	Not present	-	
2,3,3',4,4',5'-HEXACB UNLABELED	69782-90-7	Not present	-	
2,3',4,4',5,5'-HEXACB UNLABELED	52663-72-6	Not present	-	
3,3',4,4',5,5'-HEXACB UNLABELED	32774-16-6	Not present	-	
2,2',3,4',5,6,6'-HEPTACB UNLABELED	74487-85-7	Not present	-	
2,3,3',4,4',5,5'-HEPTACB UNLABELED	39635-31-9	Not present	-	



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Name	CAS-No.	Listing	Commercial status	Flags
2,2',3,3',5,5',6,6'-OCTACB UNLABELED	2136-99-4	Not present	-	
DECACHLOROBIPHENYL UNLABELED	2051-24-3	Not present	-	
2,2',3,3',4,4',5,5',6-NONACB UNLABELED	40186-72-9	Not present	-	
2,3,3',4,4',5,5',6-OCTACB UNLABELED	74472-53-0	Not present	-	
2,2',3,3',4,5,5',6,6'-NONACB UNLABELED	52663-77-1	Not present	-	
ISOCTANE UNLABELED	540-84-1	Present	Active	

<b>2-MONOCB (PCB-1) (13C12, 99%) (234432-85-0)</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

<b>4-MONOCB (PCB-3) (13C12, 99%) (208263-77-8)</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

<b>2,2'-DICB (PCB-4) (13C12, 99%) (234432-86-1)</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

<b>2,5-DICB (PCB-9) (13C12, 98-99%) (250694-89-4)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.

<b>4,4'-DICB (PCB-15) (13C12, 99%) (208263-67-6)</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

<b>2,2',6-TRICB (PCB-19) (13C12, 99%) (234432-87-2)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302

<b>2,4,4'-TRICB (PCB-28) (13C12, 99%) (208263-76-7)</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>3,4,4'-TRICB (PCB-37) (13C12, 99%) (208263-79-0)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
<b>2,2',5,5'-TETRACB (PCB-52) (13C12, 99%) (208263-80-3)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
<b>2,2',6,6'-TETRACB (PCB-54) (13C12, 98%) (234432-88-3)</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
<b>3,3',4,4'-TETRACB (PCB-77) (13C12, 99%) (105600-23-5)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
<b>3,4,4',5-TETRACB (PCB-81) (13C12, 99%) (208461-24-9)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
<b>2,2',4,5,5'-PENTACB (PCB-101) (13C12, 99%) (104130-39-4)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
<b>2,2',4,6,6'-PENTACB (PCB-104) (13C12, 98%) (234432-89-4)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
<b>2,3,3',4,4'-PENTACB (PCB-105) (13C12, 99%) (208263-62-1)</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
<b>2,3,3',5,5'-PENTACB (PCB-111) (13C12, 99%) (235416-29-2)</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
<b>2,3,4,4',5-PENTACB (PCB-114) (13C12, 99%) (208263-63-2)</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

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<b>2,3',4,4',5-PENTACB (PCB-118) (13C12, 98%) (104130-40-7)</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

  

<b>2',3,4,4',5-PENTACB (PCB-123) (13C12, 99%) (208263-64-3)</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

  

<b>3,3',4,4',5-PENTACB (PCB-126) (13C12, 99%) (208263-65-4)</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

  

<b>2,2',3,4,4',5'-HEXACB (PCB-138) (13C12, 99%) (208263-66-5)</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	Delayed (chronic) health hazard

  

<b>2,2',4,4',6,6'-HEXACB (PCB-155) (13C12, 99%) (234432-90-7)</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

  

<b>2,3,3',4,4',5-HEXACB (PCB-156) (13C12, 99%) (208263-68-7)</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

  

<b>2,3,3',4,4',5'-HEXACB (PCB-157) (13C12, 99%) (235416-30-5)</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	Delayed (chronic) health hazard

  

<b>2,3',4,4',5,5'-HEXACB (PCB-167) (13C12, 99%) (208263-69-8)</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

  

<b>3,3',4,4',5,5'-HEXACB (PCB-169) (13C12, 99%) (32774-16-6 (Unlabeled))</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',5,5'-HEXACB (PCB-169) (13C12, 99%) (32774-16-6 (Unlabeled))</b>	
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard
<b>2,2',3,3',5,5',6-HEPTACB (PCB-178) (13C12, 99%) (232919-67-4)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
<b>2,2',3,4',5,6,6'-HEPTACB (PCB-188) (13C12, 99%) (234432-91-8)</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
<b>2,3,3',4,4',5,5'-HEPTACB (PCB-189) (13C12, 99%) (208263-73-4)</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
<b>2,2',3,3',4,4',5,5'-OCTACB (PCB-194) (13C12, 98%) (208263-74-5)</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	Delayed (chronic) health hazard
<b>2,2',3,3',5,5',6,6'-OCTACB (PCB-202) (13C12, 99%) (105600-26-8)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
<b>2,3,3',4,4',5,5',6-OCTACB (PCB-205) (13C12 99%) (234446-64-1)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
<b>2,2',3,3',4,4',5,5',6-NONACB (PCB-206) (13C12, 99%) (208263-75-6)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
<b>2,2',3,3',4,5,5',6,6'-NONACB (PCB-208) (13C12, 99%) (234432-92-9)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
<b>DECACB (PCB-209) (13C12, 99%) (105600-27-9)</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>N-NONANE UNLABELED (111-84-2)</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	Fire hazard Immediate (acute) health hazard

  

<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

  

<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

  

<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

  

<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.

  

<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

  

<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.

  

<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.

  

<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.

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<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.

  

<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.

  

<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

  

<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

  

<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

  

<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

  

<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.

  

<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.

  

<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

  

<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.

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<b>2,3,3',4,4',5'-HEXACB UNLABELED (69782-90-7)</b>	
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard

  

<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

  

<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.

  

<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

  

<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

  

<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.

  

<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.

  

<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.

  

<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.

  

<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.

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<b>ISOCTANE UNLABELED (540-84-1)</b>	
Not subject to reporting requirements of the United States SARA Section 313 Listed on EPA Hazardous Air Pollutant (HAPS)	
CERCLA RQ	1000 lb
SARA Section 311/312 Hazard Classes	Fire hazard Delayed (chronic) health hazard

### 15.2. International regulations

#### CANADA

<b>METHOD 1668A/B/C CALIBRATION SOLUTION CS3</b>
Listed on the Canadian DSL (Domestic Substances List)

<b>2-MONOCB (PCB-1) (13C12, 99%) (234432-85-0)</b>
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

<b>4-MONOCB (PCB-3) (13C12, 99%) (208263-77-8)</b>
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

<b>2,2'-DICB (PCB-4) (13C12, 99%) (234432-86-1)</b>
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

<b>2,5-DICB (PCB-9) (13C12, 98-99%) (250694-89-4)</b>
Listed on the Canadian DSL (Domestic Substances List)

<b>4,4'-DICB (PCB-15) (13C12, 99%) (208263-67-6)</b>
Listed on the Canadian DSL (Domestic Substances List)

<b>2,2',6-TRICB (PCB-19) (13C12, 99%) (234432-87-2)</b>
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

<b>2,4,4'-TRICB (PCB-28) (13C12, 99%) (208263-76-7)</b>
Listed on the Canadian DSL (Domestic Substances List)

<b>3,4,4'-TRICB (PCB-37) (13C12, 99%) (208263-79-0)</b>
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

<b>2,2',5,5'-TETRACB (PCB-52) (13C12, 99%) (208263-80-3)</b>
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

<b>2,2',6,6'-TETRACB (PCB-54) (13C12, 98%) (234432-88-3)</b>
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)



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### **3,3',4,4'-TETRACB (PCB-77) (13C12, 99%) (105600-23-5)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### **3,4,4',5-TETRACB (PCB-81) (13C12, 99%) (208461-24-9)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### **2,2',4,5,5'-PENTACB (PCB-101) (13C12, 99%) (104130-39-4)**

Listed on the Canadian DSL (Domestic Substances List)

### **2,2',4,6,6'-PENTACB (PCB-104) (13C12, 98%) (234432-89-4)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### **2,3,3',4,4'-PENTACB (PCB-105) (13C12, 99%) (208263-62-1)**

Listed on the Canadian DSL (Domestic Substances List)

### **2,3,3',5,5'-PENTACB (PCB-111) (13C12, 99%) (235416-29-2)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### **2,3,4,4',5-PENTACB (PCB-114) (13C12, 99%) (208263-63-2)**

Listed on the Canadian DSL (Domestic Substances List)

### **2,3',4,4',5-PENTACB (PCB-118) (13C12, 98%) (104130-40-7)**

Listed on the Canadian DSL (Domestic Substances List)

### **2',3,4,4',5-PENTACB (PCB-123) (13C12, 99%) (208263-64-3)**

Listed on the Canadian DSL (Domestic Substances List)

### **3,3',4,4',5-PENTACB (PCB-126) (13C12, 99%) (208263-65-4)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### **2,2',3,4,4',5'-HEXACB (PCB-138) (13C12, 99%) (208263-66-5)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### **2,2',4,4',6,6'-HEXACB (PCB-155) (13C12, 99%) (234432-90-7)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### **2,3,3',4,4',5-HEXACB (PCB-156) (13C12, 99%) (208263-68-7)**

Listed on the Canadian DSL (Domestic Substances List)

### **2,3,3',4,4',5'-HEXACB (PCB-157) (13C12, 99%) (235416-30-5)**

Listed on the Canadian DSL (Domestic Substances List)

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### **2,3',4,4',5,5'-HEXACB (PCB-167) (13C12, 99%) (208263-69-8)**

Listed on the Canadian DSL (Domestic Substances List)

### **3,3',4,4',5,5'-HEXACB (PCB-169) (13C12, 99%) (32774-16-6 (Unlabeled))**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### **2,2',3,3',5,5',6-HEPTACB (PCB-178) (13C12, 99%) (232919-67-4)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### **2,2',3,4',5,6,6'-HEPTACB (PCB-188) (13C12, 99%) (234432-91-8)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### **2,3,3',4,4',5,5'-HEPTACB (PCB-189) (13C12, 99%) (208263-73-4)**

Listed on the Canadian DSL (Domestic Substances List)

### **2,2',3,3',4,4',5,5'-OCTACB (PCB-194) (13C12, 98%) (208263-74-5)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### **2,2',3,3',5,5',6,6'-OCTACB (PCB-202) (13C12, 99%) (105600-26-8)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### **2,3,3',4,4',5,5',6-OCTACB (PCB-205) (13C12 99%) (234446-64-1)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### **2,2',3,3',4,4',5,5',6-NONACB (PCB-206) (13C12, 99%) (208263-75-6)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### **2,2',3,3',4,5,5',6,6'-NONACB (PCB-208) (13C12, 99%) (234432-92-9)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### **DECACB (PCB-209) (13C12, 99%) (105600-27-9)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### **N-NONANE UNLABELED (111-84-2)**

Listed on the Canadian DSL (Domestic Substances List)

### **2-MONOCB UNLABELED (2051-60-7)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### **4-MONOCB UNLABELED (2051-62-9)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

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### **2,2'-DICB UNLABELED (13029-08-8)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### **4,4'-DICB UNLABELED (2050-68-2)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### **2,2',6-TRICB UNLABELED (38444-73-4)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### **3,4,4'-TRICB UNLABELED (38444-90-5)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### **3,3',4,4'-TETRACB UNLABELED (32598-13-3)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### **3,4,4',5-TETRACB UNLABELED (70362-50-4)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### **2,2',4,6,6'-PENTACB UNLABELED (56558-16-8)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### **2,3,3',4,4'-PENTACB UNLABELED (32598-14-4)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### **2,3,4,4',5-PENTACB UNLABELED (74472-37-0)**

Listed on the Canadian DSL (Domestic Substances List)

### **2,3',4,4',5-PENTACB UNLABELED (31508-00-6)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### **2',3,4,4',5-PENTACB UNLABELED (65510-44-3)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### **3,3',4,4',5-PENTACB UNLABELED (57465-28-8)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### **2,2',4,4',6,6'-HEXACB UNLABELED (33979-03-2)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### **2,3,3',4,4',5-HEXACB UNLABELED (38380-08-4)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

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### 2,3,3',4,4',5'-HEXACB UNLABELED (69782-90-7)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### 2,3',4,4',5,5'-HEXACB UNLABELED (52663-72-6)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### 3,3',4,4',5,5'-HEXACB UNLABELED (32774-16-6)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### 2,2',3,4',5,6,6'-HEPTACB UNLABELED (74487-85-7)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### 2,3,3',4,4',5,5'-HEPTACB UNLABELED (39635-31-9)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### 2,2',3,3',5,5',6,6'-OCTACB UNLABELED (2136-99-4)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### DECACHLOROBIPHENYL UNLABELED (2051-24-3)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### 2,2',3,3',4,4',5,5',6-NONACB UNLABELED (40186-72-9)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### 2,3,3',4,4',5,5',6-OCTACB UNLABELED (74472-53-0)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### 2,2',3,3',4,5,5',6,6'-NONACB UNLABELED (52663-77-1)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### ISOCTANE UNLABELED (540-84-1)

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

No additional information available

#### National regulations

### 3,4,4'-TRICB UNLABELED (38444-90-5)

CAUTION: This material is supplied for research and development purposes subject to the R&D exemption under TSCA, 40 CFR 720.36, and must meet the requirements of the exemption, including supervision by a "technically qualified individual" as defined by 40 CFR 720.3(ee). The use of this material for "commercial purposes" as defined by 40 CFR 720.3(r) is not permitted in the United States.

Listed on TECI (Thailand Existing Chemicals Inventory)

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### 3,3',4,4',5-PENTACB UNLABELED (57465-28-8)

Listed on IARC (International Agency for Research on Cancer)

### ISOCTANE UNLABELED (540-84-1)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

## 15.3. US State regulations

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State or local regulations	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
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### 2-MONOCB (PCB-1) (13C12, 99%) (234432-85-0)

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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

### 4-MONOCB (PCB-3) (13C12, 99%) (208263-77-8)

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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

### 2,2'-DICB (PCB-4) (13C12, 99%) (234432-86-1)

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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

### 2,5-DICB (PCB-9) (13C12, 98-99%) (250694-89-4)

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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

### 4,4'-DICB (PCB-15) (13C12, 99%) (208263-67-6)

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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

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<b>2,2',6-TRICB (PCB-19) (13C12, 99%) (234432-87-2)</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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

<b>2,4,4'-TRICB (PCB-28) (13C12, 99%) (208263-76-7)</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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

<b>3,4,4'-TRICB (PCB-37) (13C12, 99%) (208263-79-0)</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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

<b>2,2',5,5'-TETRACB (PCB-52) (13C12, 99%) (208263-80-3)</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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

<b>2,2',6,6'-TETRACB (PCB-54) (13C12, 98%) (234432-88-3)</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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

<b>3,3',4,4'-TETRACB (PCB-77) (13C12, 99%) (105600-23-5)</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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

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<b>3,4,4',5-TETRACB (PCB-81) (13C12, 99%) (208461-24-9)</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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

<b>2,2',4,5,5'-PENTACB (PCB-101) (13C12, 99%) (104130-39-4)</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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

<b>2,2',4,6,6'-PENTACB (PCB-104) (13C12, 98%) (234432-89-4)</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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

<b>2,3,3',4,4'-PENTACB (PCB-105) (13C12, 99%) (208263-62-1)</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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

<b>2,3,3',5,5'-PENTACB (PCB-111) (13C12, 99%) (235416-29-2)</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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

<b>2,3,4,4',5-PENTACB (PCB-114) (13C12, 99%) (208263-63-2)</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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

<b>2,3',4,4',5-PENTACB (PCB-118) (13C12, 98%) (104130-40-7)</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)	Maximum allowable dose level (MADL)

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<b>2,3',4,4',5-PENTACB (PCB-118) (13C12, 98%) (104130-40-7)</b>					
Yes	Yes	Yes	Yes		

<b>2',3,4,4',5-PENTACB (PCB-123) (13C12, 99%) (208263-64-3)</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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

<b>3,3',4,4',5-PENTACB (PCB-126) (13C12, 99%) (208263-65-4)</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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

<b>2,2',3,4,4',5'-HEXACB (PCB-138) (13C12, 99%) (208263-66-5)</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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

<b>2,2',4,4',6,6'-HEXACB (PCB-155) (13C12, 99%) (234432-90-7)</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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

<b>2,3,3',4,4',5-HEXACB (PCB-156) (13C12, 99%) (208263-68-7)</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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

<b>2,3,3',4,4',5'-HEXACB (PCB-157) (13C12, 99%) (235416-30-5)</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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		



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<b>2,3',4,4',5,5'-HEXACB (PCB-167) (13C12, 99%) (208263-69-8)</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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

<b>3,3',4,4',5,5'-HEXACB (PCB-169) (13C12, 99%) (32774-16-6 (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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

<b>2,2',3,3',5,5',6-HEPTACB (PCB-178) (13C12, 99%) (232919-67-4)</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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

<b>2,2',3,4',5,6,6'-HEPTACB (PCB-188) (13C12, 99%) (234432-91-8)</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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

<b>2,3,3',4,4',5,5'-HEPTACB (PCB-189) (13C12, 99%) (208263-73-4)</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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

<b>2,2',3,3',4,4',5,5'-OCTACB (PCB-194) (13C12, 98%) (208263-74-5)</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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

<b>2,2',3,3',5,5',6,6'-OCTACB (PCB-202) (13C12, 99%) (105600-26-8)</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)	Maximum allowable dose level (MADL)

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<b>2,2',3,3',5,5',6,6'-OCTACB (PCB-202) (13C12, 99%) (105600-26-8)</b>					
Yes	Yes	Yes	Yes		

<b>2,3,3',4,4',5,5',6-OCTACB (PCB-205) (13C12 99%) (234446-64-1)</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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

<b>2,2',3,3',4,4',5,5',6-NONACB (PCB-206) (13C12, 99%) (208263-75-6)</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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

<b>2,2',3,3',4,5,5',6,6'-NONACB (PCB-208) (13C12, 99%) (234432-92-9)</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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

<b>DECACB (PCB-209) (13C12, 99%) (105600-27-9)</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)	Maximum allowable dose level (MADL)
Yes	Yes	No	No		

<b>2-MONOCB 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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

<b>4-MONOCB 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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

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2,2'-DICB UNLABELED (13029-08-8)					
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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

4,4'-DICB UNLABELED (2050-68-2)					
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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

2,2',6-TRICB UNLABELED (38444-73-4)					
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)	Maximum allowable dose level (MADL)
Yes	Yes	No	No		

3,4,4'-TRICB UNLABELED (38444-90-5)					
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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

3,3',4,4'-TETRACB UNLABELED (32598-13-3)					
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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

3,4,4',5-TETRACB UNLABELED (70362-50-4)					
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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

2,2',4,6,6'-PENTACB UNLABELED (56558-16-8)					
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)	Maximum allowable dose level (MADL)

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<b>2,2',4,6,6'-PENTACB UNLABELED (56558-16-8)</b>					
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)	Maximum allowable dose level (MADL)
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)	Maximum allowable dose level (MADL)
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)	Maximum allowable dose level (MADL)
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)	Maximum allowable dose level (MADL)
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)	Maximum allowable dose level (MADL)
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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

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2,3,3',4,4',5-HEXACB UNLABELED (38380-08-4)					
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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

2,3,3',4,4',5'-HEXACB UNLABELED (69782-90-7)					
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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

2,3',4,4',5,5'-HEXACB UNLABELED (52663-72-6)					
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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

3,3',4,4',5,5'-HEXACB UNLABELED (32774-16-6)					
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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

2,2',3,4',5,6,6'-HEPTACB UNLABELED (74487-85-7)					
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)	Maximum allowable dose level (MADL)
Yes	Yes	No	No		

2,3,3',4,4',5,5'-HEPTACB UNLABELED (39635-31-9)					
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)	Maximum allowable dose level (MADL)
Yes	Yes	No	No		

2,2',3,3',5,5',6,6'-OCTACB UNLABELED (2136-99-4)					
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)	Maximum allowable dose level (MADL)

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2,2',3,3',5,5',6,6'-OCTACB UNLABELED (2136-99-4)					
Yes	Yes	No	No		

DECACHLOROBIPHENYL UNLABELED (2051-24-3)					
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)	Maximum allowable dose level (MADL)
Yes	Yes	No	No		

2,2',3,3',4,4',5,5',6-NONACB UNLABELED (40186-72-9)					
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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

2,3,3',4,4',5,5',6-OCTACB UNLABELED (74472-53-0)					
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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

2,2',3,3',4,5,5',6,6'-NONACB UNLABELED (52663-77-1)					
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)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

Component	State or local regulations
2-MONOCB (PCB-1) (13C12, 99%)(234432-85-0)	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New Jersey - Right to Know Hazardous Substance List
4-MONOCB (PCB-3) (13C12, 99%)(208263-77-8)	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New Jersey - Right to Know Hazardous Substance List
2,2'-DICB (PCB-4) (13C12, 99%)(234432-86-1)	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New Jersey - Right to Know Hazardous Substance List
4,4'-DICB (PCB-15) (13C12, 99%)(208263-67-6)	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New Jersey - Right to Know Hazardous Substance List
2,2',6-TRICB (PCB-19) (13C12, 99%)(234432-87-2)	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New Jersey - Right to Know Hazardous Substance List
2,4,4'-TRICB (PCB-28) (13C12, 99%)(208263-76-7)	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New Jersey - Right to Know Hazardous Substance List

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Component	State or local regulations
3,4,4'-TRICB (PCB-37) (13C12, 99%)(208263-79-0)	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New Jersey - Right to Know Hazardous Substance List
2,2',6,6'-TETRACB (PCB-54) (13C12, 98%)(234432-88-3)	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New Jersey - Right to Know Hazardous Substance List
3,3',4,4'-TETRACB (PCB-77) (13C12, 99%)(105600-23-5)	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New Jersey - Right to Know Hazardous Substance List
3,4,4',5-TETRACB (PCB-81) (13C12, 99%)(208461-24-9)	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New Jersey - Right to Know Hazardous Substance List
2,2',4,6,6'-PENTACB (PCB-104) (13C12, 98%)(234432-89-4)	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)	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New Jersey - Right to Know Hazardous Substance List
2,3,3',5,5'-PENTACB (PCB-111) (13C12, 99%)(235416-29-2)	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New Jersey - Right to Know Hazardous Substance List
2,3,4,4',5-PENTACB (PCB-114) (13C12, 99%)(208263-63-2)	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New Jersey - Right to Know Hazardous Substance List
2,3',4,4',5-PENTACB (PCB-118) (13C12, 98%)(104130-40-7)	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New Jersey - Right to Know Hazardous Substance List
2',3,4,4',5-PENTACB (PCB-123) (13C12, 99%)(208263-64-3)	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New Jersey - Right to Know Hazardous Substance List
3,3',4,4',5-PENTACB (PCB-126) (13C12, 99%)(208263-65-4)	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New Jersey - Right to Know Hazardous Substance List
2,2',4,4',6,6'-HEXACB (PCB-155) (13C12, 99%)(234432-90-7)	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)	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-157) (13C12, 99%)(235416-30-5)	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New Jersey - Right to Know Hazardous Substance List
2,3',4,4',5,5'-HEXACB (PCB-167) (13C12, 99%)(208263-69-8)	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New Jersey - Right to Know Hazardous Substance List
3,3',4,4',5,5'-HEXACB (PCB-169) (13C12, 99%)(32774-16-6 (Unlabeled))	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New Jersey - Right to Know Hazardous Substance List
2,2',3,3',5,5',6-HEPTACB (PCB-178) (13C12, 99%)(232919-67-4)	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New Jersey - Right to Know Hazardous Substance List
2,2',3,4',5,6,6'-HEPTACB (PCB-188) (13C12, 99%)(234432-91-8)	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New Jersey - Right to Know Hazardous Substance List
2,3,3',4,4',5,5'-HEPTACB (PCB-189) (13C12, 99%)(208263-73-4)	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New Jersey - Right to Know Hazardous Substance List
2,2',3,3',5,5',6,6'-OCTACB (PCB-202) (13C12, 99%)(105600-26-8)	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New Jersey - Right to Know Hazardous Substance List
2,3,3',4,4',5,5',6-OCTACB (PCB-205) (13C12, 99%)(234446-64-1)	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New Jersey - Right to Know Hazardous Substance List

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2,2',3,3',4,4',5,5',6-NONACB (PCB-206) (13C12, 99%)(208263-75-6)	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New Jersey - Right to Know Hazardous Substance List
2,2',3,3',4,5,5',6,6'-NONACB (PCB-208) (13C12, 99%)(234432-92-9)	U.S. - Pennsylvania - RTK (Right to Know) List
N-NONANE UNLABELED(111-84-2)	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
3,4,4'-TRICB UNLABELED(38444-90-5)	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New Jersey - Right to Know Hazardous Substance List
ISOOCTANE UNLABELED(540-84-1)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

### SECTION 16: Other information

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Revision date : 09/19/2023

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

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 H-phrases	
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness
H350	May cause cancer
H360	May damage fertility or the unborn child
H371	May cause damage to organs
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H402	Harmful to aquatic life



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Full text of H-phrases	
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

Safety Data Sheet (SDS), USA

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.