



# METHOD 1668A/B/C CALIBRATION SOLUTION

## CS0.02

### Safety Data Sheet

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

Date of issue: 05/10/2018

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Supersedes: 05/10/2018

Version: 2.0

EC-4976-0.02

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

### 1.1. Product identifier

Product form : Mixtures  
Product name : METHOD 1668A/B/C CALIBRATION SOLUTION CS0.02  
Product code : EC-4976-0.02

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

#### 1.2.1. Relevant identified uses

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

#### 1.2.2. Uses advised against

No additional information available

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

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

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

### Emergency telephone number

Emergency numbers:

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

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

|                           |      |
|---------------------------|------|
| Flam. Liq. 3              | H226 |
| Acute Tox. 4 (Inhalation) | H332 |
| Skin Irrit. 2             | H315 |
| Eye Irrit. 2              | H319 |
| STOT SE 3                 | H336 |
| Asp. Tox. 1               | H304 |

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

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

Xn; R20  
Xn; R65  
R10  
Xi; R36/38

Full text of R-phrases: see section 16

#### GHS-US classification

|                                     |      |
|-------------------------------------|------|
| Flam. Liq. 3                        | H226 |
| Acute Tox. 4 (Inhalation:dust,mist) | H332 |
| Skin Irrit. 2                       | H315 |
| Eye Irrit. 2A                       | H319 |
| STOT SE 3                           | H336 |
| Asp. Tox. 1                         | H304 |

Full text of H statements : see section 16

#### Adverse physicochemical, human health and environmental effects

Central Nervous System.

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### 2.2. Label elements

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

Hazard pictograms (CLP) :



Signal word (CLP) :

Danger

Hazard statements (CLP) :

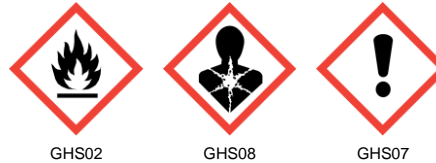
H226 - Flammable liquid and vapor  
H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H332 - Harmful if inhaled  
H336 - May cause drowsiness or dizziness

Precautionary statements (CLP) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 - Keep container tightly closed.  
P240 - Ground/bond container and receiving equipment.  
P241 - Use explosion-proof electrical, lighting, ventilating equipment  
P261 - Avoid breathing dust, fume, gas, spray, mist, vapors.  
P264 - Wash Both hands thoroughly after handling.  
P271 - Use only outdoors or in a well-ventilated area.  
P280 - Wear protective clothing, protective gloves.

#### 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

Precautionary statements (GHS-US) :

P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking.  
P233 - Keep container tightly closed.  
P240 - Ground/Bond container and receiving equipment  
P241 - Use explosion-proof electrical, lighting, ventilating equipment  
P242 - Use only non-sparking tools.  
P243 - Take precautionary measures against static discharge.  
P261 - Avoid breathing dust, fume, gas, mist, spray, vapors.  
P264 - Wash Both hands thoroughly after handling.  
P271 - Use only outdoors or in a well-ventilated area.  
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

No additional information available

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                                       | Product identifier   | %            | Classification according to Directive 67/548/EEC       |
|--|--|--------------|--|
| N-NONANE UNLABELED                         | (CAS-No.) 111-84-2<br>(EC-No.) 203-913-4   | 99.994446654 | R10<br>Xn; R20<br>Xn; R65<br>Xi; R36/38<br>R67         |
| ISOOCTANE UNLABELED                        | (CAS-No.) 540-84-1<br>(EC-No.) 208-759-1<br>(EC Index-No.) 601-009-00-8<br>(REACH-no) 01-2119457965-22 | 0.005066348  | Xi; R38<br>N; R50/53<br>R67<br>F; R11<br>Xn; R65       |
| 4-MONOCB (PCB-3) (13C12, 99%)              | (CAS-No.) 208263-77-8<br>(EC-No.) 218-127-7 (Unlabeled)  | 0.000013912  | N; R50/53<br>R48                                       |
| 2,2'-DICB (PCB-4) (13C12, 99%)             | (CAS-No.) 234432-86-1<br>(EC Index-No.) 602-039-00-4 (Unlabeled)                                       | 0.000013912  | Carc.Cat.1; R45<br>Carc.Cat.1; R49<br>R48<br>N; R50/53 |
| 2,5-DICB (PCB-9) (13C12, 98-99%)           | (CAS-No.) 250694-89-4<br>(EC Index-No.) 602-039-00-4 (Unlabeled)                                       | 0.000013912  | R48<br>N; R50/53                                       |
| 4,4'-DICB (PCB-15) (13C12, 99%)            | (CAS-No.) 208263-67-6<br>(EC-No.) 218-095-4 (Unlabeled)<br>(EC Index-No.) 602-039-00-4 (Unlabeled)     | 0.000013912  | R48<br>N; R50/53                                       |
| 2,2',6-TRICB (PCB-19) (13C12, 99%)         | (CAS-No.) 234432-87-2<br>(EC Index-No.) 602-039-00-4 (Unlabeled)                                       | 0.000013912  | Xi; R41<br>N; R50/53<br>R48                            |
| 2,4,4'-TRICB (PCB-28) (13C12, 99%)         | (CAS-No.) 208263-76-7<br>(EC-No.) 230-293-2 (Unlabeled)<br>(EC Index-No.) 602-039-00-4 (Unlabeled)     | 0.000013912  | Xn; R20/21/22<br>N; R50/53<br>R48                      |
| 3,4,4'-TRICB (PCB-37) (13C12, 99%)         | (CAS-No.) 208263-79-0<br>(EC Index-No.) 602-039-00-4 (Unlabeled)                                       | 0.000013912  | Xi; R41<br>N; R50/53<br>R48                            |
| 2,2',5,5'-TETRACB (PCB-52) (13C12, 99%)    | (CAS-No.) 208263-80-3<br>(EC Index-No.) 602-039-00-4   | 0.000013912  | Carc.Cat.1; R45<br>N; R51/53<br>Xn; R48/20/21/22       |
| 2,2',6,6'-TETRACB (PCB-54) (13C12, 98%)    | (CAS-No.) 234432-88-3<br>(EC Index-No.) 602-039-00-4 (Unlabeled)                                       | 0.000013912  | Carc.Cat.1; R45<br>Carc.Cat.1; R49<br>N; R50/53<br>R48 |
| 3,3',4,4'-TETRACB (PCB-77) (13C12, 99%)    | (CAS-No.) 105600-23-5<br>(EC Index-No.) 602-039-00-4 (Unlabeled)                                       | 0.000013912  | Xn; R48/20<br>N; R50/53                                |
| 3,4,4',5-TETRACB (PCB-81) (13C12, 99%)     | (CAS-No.) 208461-24-9<br>(EC Index-No.) 602-039-00-4   | 0.000013912  | Xn; R48/20/21/22<br>N; R50/53<br>R33                   |
| 2,2',4,5,5'-PENTACB (PCB-101) (13C12, 99%) | (CAS-No.) 104130-39-4<br>(EC Index-No.) 602-039-00-4 (Unlabeled)                                       | 0.000013912  | Xn; R48/20<br>N; R50/53                                |
| 2,2',4,6,6'-PENTACB (PCB-104) (13C12, 98%) | (CAS-No.) 234432-89-4<br>(EC Index-No.) 602-039-00-4 (Unlabeled)                                       | 0.000013912  | N; R50/53<br>R48                                       |
| 2,3,3',4,4'-PENTACB (PCB-105) (13C12, 99%) | (CAS-No.) 208263-62-1<br>(EC Index-No.) 602-039-00-4   | 0.000013912  | Xn; R48/20/21/22<br>Xi; R41<br>N; R50/53<br>R33        |

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| Name   | Product identifier   | %           | Classification according to Directive 67/548/EEC       |
|--|--|-------------|--|
| 2,3,3',5,5'-PENTACB (PCB-111) (13C12, 99%)             | (CAS-No.) 235416-29-2<br>(EC Index-No.) 602-039-00-4                       | 0.000013912 | Xn; R48/20/21/22<br>N; R50/53<br>R33                   |
| 2,3,4,4',5-PENTACB (PCB-114) (13C12, 99%)              | (CAS-No.) 208263-63-2<br>(EC Index-No.) 602-039-00-4                       | 0.000013912 | Xn; R48/20/21/22<br>N; R50/53<br>R33                   |
| 2,3',4,4',5-PENTACB (PCB-118) (13C12, 98%)             | (CAS-No.) 104130-40-7<br>(EC-No.) 215-648-1<br>(EC Index-No.) 602-039-00-4 | 0.000013912 | Xn; R48/20/21/22<br>N; R50/53<br>R33                   |
| 2',3,4,4',5-PENTACB (PCB-123) (13C12, 99%)             | (CAS-No.) 208263-64-3<br>(EC Index-No.) 602-039-00-4                       | 0.000013912 | Xn; R48/20/21/22<br>N; R50/53<br>R33                   |
| 3,3',4,4',5-PENTACB (PCB-126) (13C12, 99%)             | (CAS-No.) 208263-65-4<br>(EC Index-No.) 602-039-00-4                       | 0.000013912 | Xn; R48/20<br>N; R50/53<br>R33                         |
| 2,2',3,4,4',5'-HEXACB (PCB-138) (13C12, 99%)           | (CAS-No.) 208263-66-5<br>(EC Index-No.) 602-039-00-4                       | 0.000013912 | Xn; R48/20/21/22<br>N; R50/53<br>R33                   |
| 2,2',4,4',6,6'-HEXACB (PCB-155) (13C12, 99%)           | (CAS-No.) 234432-90-7<br>(EC Index-No.) 602-039-00-4 (Unlabeled)           | 0.000013912 | Carc.Cat.1; R45<br>Carc.Cat.1; R49<br>N; R50/53<br>R48 |
| 2,3,3',4,4',5'-HEXACB (PCB-156) (13C12, 99%)           | (CAS-No.) 208263-68-7<br>(EC Index-No.) 602-039-00-4                       | 0.000013912 | N; R50/53<br>Xn; R48/21/22<br>R33                      |
| 2,3,3',4,4',5'-HEXACB (PCB-157) (13C12, 99%)           | (CAS-No.) 235416-30-5<br>(EC Index-No.) 602-039-00-4                       | 0.000013912 | Xn; R48/20/21/22<br>N; R50/53<br>R33                   |
| 2,3',4,4',5,5'-HEXACB (PCB-167) (13C12, 99%)           | (CAS-No.) 208263-69-8<br>(EC Index-No.) 602-039-00-4                       | 0.000013912 | Xn; R48/20/21/22<br>N; R50/53<br>R33                   |
| 3,3',4,4',5,5'-HEXACB (PCB-169) (13C12, 99%)           | (CAS-No.) 32774-16-6 (Unlabeled)<br>(EC Index-No.) 602-039-00-4            | 0.000013912 | N; R50/53<br>Xn; R48/20/21/22                          |
| 2,2',3,3',5,5',6-HEPTACB (PCB-178) (13C12, 99%)        | (CAS-No.) 232919-67-4<br>(EC Index-No.) 602-039-00-4 (Unlabeled)           | 0.000013912 | N; R50/53<br>R48                                       |
| 2,2',3,4',5,6,6'-HEPTACB (PCB-188) (13C12, 99%)        | (CAS-No.) 234432-91-8  | 0.000013912 | Carc.Cat.1; R45<br>Carc.Cat.1; R49<br>N; R50/53<br>R48 |
| 2,3,3',4,4',5,5'-HEPTACB (PCB-189) (13C12, 99%)        | (CAS-No.) 208263-73-4<br>(EC Index-No.) 602-039-00-4                       | 0.000013912 | Xn; R48/20/21/22<br>N; R50/53<br>R33                   |
| 2,2',3,3',4,4',5,5'-OCTACB (PCB-194) (13C12, 98%)      | (CAS-No.) 208263-74-5<br>(EC Index-No.) 602-039-00-4                       | 0.000013912 | Xn; R48/20/21/22<br>N; R50/53<br>R33                   |
| 2,2',3,3',5,5',6,6'-OCTACB (PCB-202) (13C12, 99%)      | (CAS-No.) 105600-26-8<br>(EC Index-No.) 602-039-00-4 (Unlabeled)           | 0.000013912 | N; R50/53<br>R48                                       |
| 2,3,3',4,4',5,5',6-OCTACB (PCB-205) (13C12, 99%)       | (CAS-No.) 234446-64-1<br>(EC Index-No.) 602-039-00-4 (Unlabeled)           | 0.000013912 | N; R50/53<br>R48                                       |
| 2,2',3,3',4,4',5,5',6-NONACB (PCB-206) (13C12, 99%)    | (CAS-No.) 208263-75-6<br>(EC Index-No.) 602-039-00-4 (Unlabeled)           | 0.000013912 | N; R50/53<br>R48                                       |
| 2,2',3,3',4,4',5,5',6,6'-NONACB (PCB-208) (13C12, 99%) | (CAS-No.) 234432-92-9<br>(EC Index-No.) 602-039-00-4 (Unlabeled)           | 0.000013912 | N; R50/53<br>R48                                       |

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| Name                                   | Product identifier   | %           | Classification according to Directive 67/548/EEC  |
|--|--|-------------|---|
| DECACB (PCB-209) (13C12, 99%)          | (CAS-No.) 105600-27-9<br>(EC-No.) 218-115-1 (Unlabeled)<br>(EC Index-No.) 602-039-00-4 (Unlabeled) | 0.000013912 | Carc.Cat.1; R45<br>Carc.Cat.1; R49<br>Repr.Cat.1; R60<br>Repr.Cat.1; R61<br>Xn; R20/21/22<br>Xi; R38<br>N; R50/53 |
| 2-MONOCB (PCB-1) (13C12, 99%)          | (CAS-No.) 234432-85-0<br>(EC-No.) 218-125-6 (Unlabeled)  | 0.000013272 | Xn; R48/20  |
| 2-MONOCB UNLABELED                     | (CAS-No.) 2051-60-7<br>(EC-No.) 218-125-6  | 0.000000028 | Xn; R48/20  |
| 4-MONOCB UNLABELED                     | (CAS-No.) 2051-62-9<br>(EC-No.) 218-127-7  | 0.000000028 | Xn; R48/20  |
| 2,2'-DICB UNLABELED                    | (CAS-No.) 13029-08-8   | 0.000000028 | Xn; R48/20/21/22<br>N; R50/53<br>R33  |
| 4,4'-DICB UNLABELED                    | (CAS-No.) 2050-68-2<br>(EC-No.) 218-095-4  | 0.000000028 | N; R50/53   |
| 2,2',6-TRICB UNLABELED                 | (CAS-No.) 38444-73-4   | 0.000000028 | Xn; R48/20/21/22<br>Xi; R41<br>N; R50/53<br>R33   |
| 3,4,4'-TRICB UNLABELED                 | (CAS-No.) 38444-90-5   | 0.000000028 | Xn; R22<br>Xi; R41<br>N; R50/53   |
| 2,2',6,6'-TETRACB UNLABELED            | (CAS-No.) 15968-05-5 (Unlabeled)   | 0.000000028 | T+; R28<br>N; R50/53  |
| 3,3',4,4'-TETRACB UNLABELED            | (CAS-No.) 32598-13-3<br>(EC Index-No.) 602-039-00-4  | 0.000000028 | R33<br>N; R50/53  |
| 3,4,4',5-TETRACB UNLABELED             | (CAS-No.) 70362-50-4<br>(EC Index-No.) 602-039-00-4  | 0.000000028 | N; R50/53<br>R33  |
| 2,2',4,6,6'-PENTACB UNLABELED          | (CAS-No.) 56558-16-8   | 0.000000028 | N; R50/53   |
| 2,3,3',4,4'-PENTACB UNLABELED          | (CAS-No.) 32598-14-4<br>(EC Index-No.) 602-039-00-4  | 0.000000028 | Xn; R22<br>R33<br>N; R50/53   |
| 2,3,4,4',5-PENTACB UNLABELED           | (CAS-No.) 74472-37-0<br>(EC Index-No.) 602-039-00-4  | 0.000000028 | Xn; R22<br>N; R50/53  |
| 2,3',4,4',5-PENTACB UNLABELED          | (CAS-No.) 31508-00-6<br>(EC-No.) 215-648-1<br>(EC Index-No.) 602-039-00-4                          | 0.000000028 | Xn; R22   |
| 2',3,4,4',5-PENTACB UNLABELED          | (CAS-No.) 65510-44-3<br>(EC Index-No.) 602-039-00-4  | 0.000000028 | R33   |
| 3,3',4,4',5-PENTACB UNLABELED          | (CAS-No.) 57465-28-8<br>(EC Index-No.) 602-039-00-4  | 0.000000028 | R33   |
| 2,2',4,4',6,6'-HEXACB UNLABELED        | (CAS-No.) 33979-03-2   | 0.000000028 | Not classified  |
| 2,3,3',4,4',5-HEXACB UNLABELED         | (CAS-No.) 38380-08-4<br>(EC Index-No.) 602-039-00-4  | 0.000000028 | R33   |
| 2,3,3',4,4',5'-HEXACB UNLABELED        | (CAS-No.) 69782-90-7<br>(EC Index-No.) 602-039-00-4  | 0.000000028 | R33   |
| 2,3',4,4',5,5'-HEXACB UNLABELED        | (CAS-No.) 52663-72-6<br>(EC Index-No.) 602-039-00-4  | 0.000000028 | R33   |
| 3,3',4,4',5,5'-HEXACB UNLABELED        | (CAS-No.) 32774-16-6<br>(EC Index-No.) 602-039-00-4  | 0.000000028 | N; R50/53<br>Xn; R22  |
| 2,2',3,4',5,6,6'-HEPTACB UNLABELED     | (CAS-No.) 74487-85-7   | 0.000000028 | Xn; R20<br>Xn; R48/20<br>N; R50/53  |
| 2,3,3',4,4',5,5'-HEPTACB UNLABELED     | (CAS-No.) 39635-31-9<br>(EC Index-No.) 602-039-00-4  | 0.000000028 | R33   |
| 2,2',3,3',5,5',6,6'-OCTACB UNLABELED   | (CAS-No.) 2136-99-4  | 0.000000028 | Xn; R48/20/21/22<br>N; R50/53<br>R33  |
| 2,2',3,3',4,4',5,5',6-NONACB UNLABELED | (CAS-No.) 40186-72-9   | 0.000000028 | R33   |

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|--|--|-------------|---|
| 2,3,3',4,4',5,5',6-OCTACB UNLABELED    | (CAS-No.) 74472-53-0   | 0.000000028 | R33   |
| 2,2',3,3',4,5,5',6,6'-NONACB UNLABELED | (CAS-No.) 52663-77-1<br>(EC Index-No.) 602-039-00-4                      | 0.000000028 | R33   |
| DECACHLOROBIPHENYL UNLABELED           | (CAS-No.) 2051-24-3<br>(EC-No.) 218-115-1<br>(EC Index-No.) 602-039-00-4 | 0.000000028 | Carc.Cat.1; R45<br>Carc.Cat.1; R49<br>Repr.Cat.1; R60<br>Repr.Cat.1; R61<br>Xn; R20/21/22<br>Xi; R38<br>N; R50/53 |

| Name                                       | Product identifier   | %            | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|--|--|--------------|---|
| N-NONANE UNLABELED                         | (CAS-No.) 111-84-2<br>(EC-No.) 203-913-4   | 99.994446654 | Flam. Liq. 3, H226<br>Acute Tox. 4 (Inhalation:vapour), H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H336<br>Asp. Tox. 1, H304 |
| ISOCTANE UNLABELED                         | (CAS-No.) 540-84-1<br>(EC-No.) 208-759-1<br>(EC Index-No.) 601-009-00-8<br>(REACH-no) 01-2119457965-22 | 0.005066348  | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410             |
| 4-MONOCB (PCB-3) (13C12, 99%)              | (CAS-No.) 208263-77-8<br>(EC-No.) 218-127-7 (Unlabeled)  | 0.000013912  | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,2'-DICB (PCB-4) (13C12, 99%)             | (CAS-No.) 234432-86-1<br>(EC Index-No.) 602-039-00-4 (Unlabeled)                                       | 0.000013912  | Carc. 1B, H350<br>STOT RE 2, H373<br>Aquatic Chronic 1, H410  |
| 2,5-DICB (PCB-9) (13C12, 98-99%)           | (CAS-No.) 250694-89-4<br>(EC Index-No.) 602-039-00-4 (Unlabeled)                                       | 0.000013912  | STOT RE 2, H373<br>Aquatic Chronic 1, H410  |
| 4,4'-DICB (PCB-15) (13C12, 99%)            | (CAS-No.) 208263-67-6<br>(EC-No.) 218-095-4 (Unlabeled)<br>(EC Index-No.) 602-039-00-4 (Unlabeled)     | 0.000013912  | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,2',6-TRICB (PCB-19) (13C12, 99%)         | (CAS-No.) 234432-87-2<br>(EC Index-No.) 602-039-00-4 (Unlabeled)                                       | 0.000013912  | Eye Dam. 1, H318<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,4,4'-TRICB (PCB-28) (13C12, 99%)         | (CAS-No.) 208263-76-7<br>(EC-No.) 230-293-2 (Unlabeled)<br>(EC Index-No.) 602-039-00-4 (Unlabeled)     | 0.000013912  | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 3,4,4'-TRICB (PCB-37) (13C12, 99%)         | (CAS-No.) 208263-79-0<br>(EC Index-No.) 602-039-00-4 (Unlabeled)                                       | 0.000013912  | Eye Dam. 1, H318<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,2',5,5'-TETRACB (PCB-52) (13C12, 99%)    | (CAS-No.) 208263-80-3<br>(EC Index-No.) 602-039-00-4   | 0.000013912  | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,2',6,6'-TETRACB (PCB-54) (13C12, 98%)    | (CAS-No.) 234432-88-3<br>(EC Index-No.) 602-039-00-4 (Unlabeled)                                       | 0.000013912  | Carc. 1B, H350<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 3,3',4,4'-TETRACB (PCB-77) (13C12, 99%)    | (CAS-No.) 105600-23-5<br>(EC Index-No.) 602-039-00-4 (Unlabeled)                                       | 0.000013912  | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 3,4,4',5-TETRACB (PCB-81) (13C12, 99%)     | (CAS-No.) 208461-24-9<br>(EC Index-No.) 602-039-00-4   | 0.000013912  | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,2',4,5,5'-PENTACB (PCB-101) (13C12, 99%) | (CAS-No.) 104130-39-4<br>(EC Index-No.) 602-039-00-4 (Unlabeled)                                       | 0.000013912  | STOT RE 2, H373<br>Aquatic Chronic 1, H410  |
| 2,2',4,6,6'-PENTACB (PCB-104) (13C12, 98%) | (CAS-No.) 234432-89-4<br>(EC Index-No.) 602-039-00-4 (Unlabeled)                                       | 0.000013912  | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,3,3',4,4'-PENTACB (PCB-105) (13C12, 99%) | (CAS-No.) 208263-62-1<br>(EC Index-No.) 602-039-00-4   | 0.000013912  | Eye Dam. 1, H318<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,3,3',5,5'-PENTACB (PCB-111) (13C12, 99%) | (CAS-No.) 235416-29-2<br>(EC Index-No.) 602-039-00-4   | 0.000013912  | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |

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EC-4976-0.02

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

| Name  | Product identifier   | %           | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|---|--|-------------|---|
| 2,3,4,4',5-PENTACB (PCB-114) (13C12, 99%)           | (CAS-No.) 208263-63-2<br>(EC Index-No.) 602-039-00-4   | 0.000013912 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,3',4,4',5-PENTACB (PCB-118) (13C12, 98%)          | (CAS-No.) 104130-40-7<br>(EC-No.) 215-648-1<br>(EC Index-No.) 602-039-00-4                         | 0.000013912 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2',3,4,4',5-PENTACB (PCB-123) (13C12, 99%)          | (CAS-No.) 208263-64-3<br>(EC Index-No.) 602-039-00-4   | 0.000013912 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 3,3',4,4',5-PENTACB (PCB-126) (13C12, 99%)          | (CAS-No.) 208263-65-4<br>(EC Index-No.) 602-039-00-4   | 0.000013912 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,2',3,4,4',5-HEXACB (PCB-138) (13C12, 99%)         | (CAS-No.) 208263-66-5<br>(EC Index-No.) 602-039-00-4   | 0.000013912 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,2',4,4',6,6'-HEXACB (PCB-155) (13C12, 99%)        | (CAS-No.) 234432-90-7<br>(EC Index-No.) 602-039-00-4 (Unlabeled)                                   | 0.000013912 | Carc. 1B, H350<br>STOT RE 2, H373<br>Aquatic Chronic 1, H410  |
| 2,3,3',4,4',5-HEXACB (PCB-156) (13C12, 99%)         | (CAS-No.) 208263-68-7<br>(EC Index-No.) 602-039-00-4   | 0.000013912 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,3,3',4,4',5'-HEXACB (PCB-157) (13C12, 99%)        | (CAS-No.) 235416-30-5<br>(EC Index-No.) 602-039-00-4   | 0.000013912 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,3',4,4',5,5'-HEXACB (PCB-167) (13C12, 99%)        | (CAS-No.) 208263-69-8<br>(EC Index-No.) 602-039-00-4   | 0.000013912 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 3,3',4,4',5,5'-HEXACB (PCB-169) (13C12, 99%)        | (CAS-No.) 32774-16-6 (Unlabeled)<br>(EC Index-No.) 602-039-00-4                                    | 0.000013912 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,2',3,3',5,5',6-HEPTACB (PCB-178) (13C12, 99%)     | (CAS-No.) 232919-67-4<br>(EC Index-No.) 602-039-00-4 (Unlabeled)                                   | 0.000013912 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,2',3,4',5,6,6'-HEPTACB (PCB-188) (13C12, 99%)     | (CAS-No.) 234432-91-8  | 0.000013912 | Carc. 1B, H350<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,3,3',4,4',5,5'-HEPTACB (PCB-189) (13C12, 99%)     | (CAS-No.) 208263-73-4<br>(EC Index-No.) 602-039-00-4   | 0.000013912 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,2',3,3',4,4',5,5'-OCTACB (PCB-194) (13C12, 98%)   | (CAS-No.) 208263-74-5<br>(EC Index-No.) 602-039-00-4   | 0.000013912 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,2',3,3',5,5',6,6'-OCTACB (PCB-202) (13C12, 99%)   | (CAS-No.) 105600-26-8<br>(EC Index-No.) 602-039-00-4 (Unlabeled)                                   | 0.000013912 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,3,3',4,4',5,5',6-OCTACB (PCB-205) (13C12 99%)     | (CAS-No.) 234446-64-1<br>(EC Index-No.) 602-039-00-4 (Unlabeled)                                   | 0.000013912 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,2',3,3',4,4',5,5',6-NONACB (PCB-206) (13C12, 99%) | (CAS-No.) 208263-75-6<br>(EC Index-No.) 602-039-00-4 (Unlabeled)                                   | 0.000013912 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,2',3,3',4,5,5',6,6'-NONACB (PCB-208) (13C12, 99%) | (CAS-No.) 234432-92-9<br>(EC Index-No.) 602-039-00-4 (Unlabeled)                                   | 0.000013912 | Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410  |
| DECACB (PCB-209) (13C12, 99%)                       | (CAS-No.) 105600-27-9<br>(EC-No.) 218-115-1 (Unlabeled)<br>(EC Index-No.) 602-039-00-4 (Unlabeled) | 0.000013912 | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation), H332<br>Skin Irrit. 2, H315<br>Carc. 1A, H350<br>Repr. 1A, H360<br>STOT SE 2, H371<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| 2-MONOCB (PCB-1) (13C12, 99%)                       | (CAS-No.) 234432-85-0<br>(EC-No.) 218-125-6 (Unlabeled)  | 0.000013272 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2-MONOCB UNLABELED                                  | (CAS-No.) 2051-60-7<br>(EC-No.) 218-125-6  | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 4-MONOCB UNLABELED                                  | (CAS-No.) 2051-62-9<br>(EC-No.) 218-127-7  | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,2'-DICB UNLABELED                                 | (CAS-No.) 13029-08-8   | 0.000000028 | Carc. 1B, H350<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |

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

| Name                                   | Product identifier  | %           | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
|--|---|-------------|--|
| 4,4'-DICB UNLABELED                    | (CAS-No.) 2050-68-2<br>(EC-No.) 218-095-4                                 | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                      |
| 2,2',6-TRICB UNLABELED                 | (CAS-No.) 38444-73-4  | 0.000000028 | Eye Dam. 1, H318<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                  |
| 3,4,4'-TRICB UNLABELED                 | (CAS-No.) 38444-90-5  | 0.000000028 | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410 |
| 2,2',6,6'-TETRACB UNLABELED            | (CAS-No.) 15968-05-5 (Unlabeled)  | 0.000000028 | Carc. 1B, H350i<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                   |
| 3,3',4,4'-TETRACB UNLABELED            | (CAS-No.) 32598-13-3<br>(EC Index-No.) 602-039-00-4                       | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                      |
| 3,4,4',5-TETRACB UNLABELED             | (CAS-No.) 70362-50-4<br>(EC Index-No.) 602-039-00-4                       | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                      |
| 2,2',4,6,6'-PENTACB UNLABELED          | (CAS-No.) 56558-16-8  | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                      |
| 2,3,3',4,4'-PENTACB UNLABELED          | (CAS-No.) 32598-14-4<br>(EC Index-No.) 602-039-00-4                       | 0.000000028 | Eye Dam. 1, H318<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                  |
| 2,3,4,4',5-PENTACB UNLABELED           | (CAS-No.) 74472-37-0<br>(EC Index-No.) 602-039-00-4                       | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                      |
| 2,3',4,4',5-PENTACB UNLABELED          | (CAS-No.) 31508-00-6<br>(EC-No.) 215-648-1<br>(EC Index-No.) 602-039-00-4 | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                      |
| 2',3,4,4',5-PENTACB UNLABELED          | (CAS-No.) 65510-44-3<br>(EC Index-No.) 602-039-00-4                       | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                      |
| 3,3',4,4',5-PENTACB UNLABELED          | (CAS-No.) 57465-28-8<br>(EC Index-No.) 602-039-00-4                       | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                      |
| 2,2',4,4',6,6'-HEXACB UNLABELED        | (CAS-No.) 33979-03-2  | 0.000000028 | Carc. 1B, H350i<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                   |
| 2,3,3',4,4',5-HEXACB UNLABELED         | (CAS-No.) 38380-08-4<br>(EC Index-No.) 602-039-00-4                       | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                      |
| 2,3,3',4,4',5'-HEXACB UNLABELED        | (CAS-No.) 69782-90-7<br>(EC Index-No.) 602-039-00-4                       | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                      |
| 2,3',4,4',5,5'-HEXACB UNLABELED        | (CAS-No.) 52663-72-6<br>(EC Index-No.) 602-039-00-4                       | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                      |
| 3,3',4,4',5,5'-HEXACB UNLABELED        | (CAS-No.) 32774-16-6<br>(EC Index-No.) 602-039-00-4                       | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                      |
| 2,2',3,4',5,6,6'-HEPTACB UNLABELED     | (CAS-No.) 74487-85-7  | 0.000000028 | Carc. 1B, H350<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                    |
| 2,3,3',4,4',5,5'-HEPTACB UNLABELED     | (CAS-No.) 39635-31-9<br>(EC Index-No.) 602-039-00-4                       | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                      |
| 2,2',3,3',5,5',6,6'-OCTACB UNLABELED   | (CAS-No.) 2136-99-4   | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                      |
| 2,2',3,3',4,4',5,5',6-NONACB UNLABELED | (CAS-No.) 40186-72-9  | 0.000000028 | Carc. 1B, H350<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                    |
| 2,3,3',4,4',5,5',6-OCTACB UNLABELED    | (CAS-No.) 74472-53-0  | 0.000000028 | Carc. 1B, H350<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                    |



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| Name                                   | Product identifier   | %           | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|--|--|-------------|---|
| 2,2',3,3',4,5,5',6,6'-NONACB UNLABELED | (CAS-No.) 52663-77-1<br>(EC Index-No.) 602-039-00-4                      | 0.000000028 | Carc. 1B, H350<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| DECACHLOROBIPHENYL UNLABELED           | (CAS-No.) 2051-24-3<br>(EC-No.) 218-115-1<br>(EC Index-No.) 602-039-00-4 | 0.000000028 | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation), H332<br>Skin Irrit. 2, H315<br>Carc. 1A, H350<br>Repr. 1A, H360<br>STOT SE 2, H371<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |

| Name                                       | Product identifier    | %            | GHS-US classification  |
|--|-----------------------|--------------|--|
| N-NONANE UNLABELED                         | (CAS-No.) 111-84-2    | 99.994446654 | Flam. Liq. 3, H226<br>Acute Tox. 4 (Inhalation), H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H336<br>Asp. Tox. 1, H304 |
| ISOOCANE UNLABELED                         | (CAS-No.) 540-84-1    | 0.005066348  | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410      |
| 4-MONOCB (PCB-3) (13C12, 99%)              | (CAS-No.) 208263-77-8 | 0.000013912  | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410  |
| 2,2'-DICB (PCB-4) (13C12, 99%)             | (CAS-No.) 234432-86-1 | 0.000013912  | Carc. 1A, H350<br>STOT RE 2, H373<br>Aquatic Chronic 1, H410   |
| 2,5-DICB (PCB-9) (13C12, 98-99%)           | (CAS-No.) 250694-89-4 | 0.000013912  | STOT RE 2, H373<br>Aquatic Chronic 1, H410   |
| 4,4'-DICB (PCB-15) (13C12, 99%)            | (CAS-No.) 208263-67-6 | 0.000013912  | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410  |
| 2,2',6-TRICB (PCB-19) (13C12, 99%)         | (CAS-No.) 234432-87-2 | 0.000013912  | Eye Dam. 1, H318<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410  |
| 2,4,4'-TRICB (PCB-28) (13C12, 99%)         | (CAS-No.) 208263-76-7 | 0.000013912  | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410  |
| 3,4,4'-TRICB (PCB-37) (13C12, 99%)         | (CAS-No.) 208263-79-0 | 0.000013912  | Eye Dam. 1, H318<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410  |
| 2,2',5,5'-TETRACB (PCB-52) (13C12, 99%)    | (CAS-No.) 208263-80-3 | 0.000013912  | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410  |
| 2,2',6,6'-TETRACB (PCB-54) (13C12, 98%)    | (CAS-No.) 234432-88-3 | 0.000013912  | Carc. 1B, H350<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410  |
| 3,3',4,4'-TETRACB (PCB-77) (13C12, 99%)    | (CAS-No.) 105600-23-5 | 0.000013912  | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410  |
| 3,4,4',5-TETRACB (PCB-81) (13C12, 99%)     | (CAS-No.) 208461-24-9 | 0.000013912  | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410  |
| 2,2',4,5,5'-PENTACB (PCB-101) (13C12, 99%) | (CAS-No.) 104130-39-4 | 0.000013912  | STOT RE 2, H373<br>Aquatic Chronic 1, H410   |
| 2,2',4,6,6'-PENTACB (PCB-104) (13C12, 98%) | (CAS-No.) 234432-89-4 | 0.000013912  | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410  |
| 2,3,3',4,4'-PENTACB (PCB-105) (13C12, 99%) | (CAS-No.) 208263-62-1 | 0.000013912  | Eye Dam. 1, H318<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410  |
| 2,3,3',5,5'-PENTACB (PCB-111) (13C12, 99%) | (CAS-No.) 235416-29-2 | 0.000013912  | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410  |
| 2,3,4,4',5-PENTACB (PCB-114) (13C12, 99%)  | (CAS-No.) 208263-63-2 | 0.000013912  | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410  |

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| Name  | Product identifier               | %           | GHS-US classification   |
|---|----------------------------------|-------------|---|
| 2,3',4,4',5-PENTACB (PCB-118) (13C12, 98%)          | (CAS-No.) 104130-40-7            | 0.000013912 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2',3,4,4',5-PENTACB (PCB-123) (13C12, 99%)          | (CAS-No.) 208263-64-3            | 0.000013912 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 3,3',4,4',5-PENTACB (PCB-126) (13C12, 99%)          | (CAS-No.) 208263-65-4            | 0.000013912 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,2',3,4,4',5'-HEXACB (PCB-138) (13C12, 99%)        | (CAS-No.) 208263-66-5            | 0.000013912 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,2',4,4',6,6'-HEXACB (PCB-155) (13C12, 99%)        | (CAS-No.) 234432-90-7            | 0.000013912 | Carc. 1B, H350<br>STOT RE 2, H373<br>Aquatic Chronic 1, H410  |
| 2,3,3',4,4',5-HEXACB (PCB-156) (13C12, 99%)         | (CAS-No.) 208263-68-7            | 0.000013912 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,3,3',4,4',5'-HEXACB (PCB-157) (13C12, 99%)        | (CAS-No.) 235416-30-5            | 0.000013912 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,3',4,4',5,5'-HEXACB (PCB-167) (13C12, 99%)        | (CAS-No.) 208263-69-8            | 0.000013912 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 3,3',4,4',5,5'-HEXACB (PCB-169) (13C12, 99%)        | (CAS-No.) 32774-16-6 (Unlabeled) | 0.000013912 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,2',3,3',5,5',6-HEPTACB (PCB-178) (13C12, 99%)     | (CAS-No.) 232919-67-4            | 0.000013912 | Carc. 1B, H350<br>STOT RE 2, H373<br>Aquatic Chronic 1, H410  |
| 2,2',3,4',5,6,6'-HEPTACB (PCB-188) (13C12, 99%)     | (CAS-No.) 234432-91-8            | 0.000013912 | Carc. 1B, H350<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,3,3',4,4',5,5'-HEPTACB (PCB-189) (13C12, 99%)     | (CAS-No.) 208263-73-4            | 0.000013912 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,2',3,3',4,4',5,5'-OCTACB (PCB-194) (13C12, 98%)   | (CAS-No.) 208263-74-5            | 0.000013912 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,2',3,3',5,5',6,6'-OCTACB (PCB-202) (13C12, 99%)   | (CAS-No.) 105600-26-8            | 0.000013912 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,3,3',4,4',5,5',6-OCTACB (PCB-205) (13C12 99%)     | (CAS-No.) 234446-64-1            | 0.000013912 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,2',3,3',4,4',5,5',6-NONACB (PCB-206) (13C12, 99%) | (CAS-No.) 208263-75-6            | 0.000013912 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,2',3,3',4,5,5',6,6'-NONACB (PCB-208) (13C12, 99%) | (CAS-No.) 234432-92-9            | 0.000013912 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| DECACB (PCB-209) (13C12, 99%)                       | (CAS-No.) 105600-27-9            | 0.000013912 | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation), H332<br>Skin Irrit. 2, H315<br>Carc. 1A, H350<br>Repr. 1A, H360<br>STOT SE 2, H371<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| 2-MONOCB (PCB-1) (13C12, 99%)                       | (CAS-No.) 234432-85-0            | 0.000013272 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2-MONOCB UNLABELED                                  | (CAS-No.) 2051-60-7              | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 4-MONOCB UNLABELED                                  | (CAS-No.) 2051-62-9              | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 2,2'-DICB UNLABELED                                 | (CAS-No.) 13029-08-8             | 0.000000028 | Carc. 1B, H350<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| 4,4'-DICB UNLABELED                                 | (CAS-No.) 2050-68-2              | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |

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| Name                                   | Product identifier               | %           | GHS-US classification   |
|--|----------------------------------|-------------|---|
| 2,2',6-TRICB UNLABELED                 | (CAS-No.) 38444-73-4             | 0.000000028 | Eye Dam. 1, H318<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410           |
| 3,4,4'-TRICB UNLABELED                 | (CAS-No.) 38444-90-5             | 0.000000028 | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| 2,2',6,6'-TETRACB UNLABELED            | (CAS-No.) 15968-05-5 (Unlabeled) | 0.000000028 | Carc. 1B, H350<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410             |
| 3,3',4,4'-TETRACB UNLABELED            | (CAS-No.) 32598-13-3             | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                               |
| 3,4,4',5-TETRACB UNLABELED             | (CAS-No.) 70362-50-4             | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                               |
| 2,2',4,6,6'-PENTACB UNLABELED          | (CAS-No.) 56558-16-8             | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                               |
| 2,3,3',4,4'-PENTACB UNLABELED          | (CAS-No.) 32598-14-4             | 0.000000028 | Eye Dam. 1, H318<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410           |
| 2,3,4,4',5-PENTACB UNLABELED           | (CAS-No.) 74472-37-0             | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                               |
| 2,3',4,4',5-PENTACB UNLABELED          | (CAS-No.) 31508-00-6             | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                               |
| 2',3,4,4',5-PENTACB UNLABELED          | (CAS-No.) 65510-44-3             | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                               |
| 3,3',4,4',5-PENTACB UNLABELED          | (CAS-No.) 57465-28-8             | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                               |
| 2,2',4,4',6,6'-HEXACB UNLABELED        | (CAS-No.) 33979-03-2             | 0.000000028 | Carc. 1B, H350<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410             |
| 2,3,3',4,4',5-HEXACB UNLABELED         | (CAS-No.) 38380-08-4             | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                               |
| 2,3,3',4,4',5'-HEXACB UNLABELED        | (CAS-No.) 69782-90-7             | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                               |
| 2,3',4,4',5,5'-HEXACB UNLABELED        | (CAS-No.) 52663-72-6             | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                               |
| 3,3',4,4',5,5'-HEXACB UNLABELED        | (CAS-No.) 32774-16-6             | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                               |
| 2,2',3,4',5,6,6'-HEPTACB UNLABELED     | (CAS-No.) 74487-85-7             | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                               |
| 2,3,3',4,4',5,5'-HEPTACB UNLABELED     | (CAS-No.) 39635-31-9             | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                               |
| 2,2',3,3',5,5',6,6'-OCTACB UNLABELED   | (CAS-No.) 2136-99-4              | 0.000000028 | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                               |
| 2,2',3,3',4,4',5,5',6-NONACB UNLABELED | (CAS-No.) 40186-72-9             | 0.000000028 | Carc. 1B, H350<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410             |
| 2,3,3',4,4',5,5',6-OCTACB UNLABELED    | (CAS-No.) 74472-53-0             | 0.000000028 | Carc. 1B, H350<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410             |
| 2,2',3,3',4,5,5',6,6'-NONACB UNLABELED | (CAS-No.) 52663-77-1             | 0.000000028 | Carc. 1B, H350<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410             |

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| Name                         | Product identifier  | %           | GHS-US classification   |
|------------------------------|---------------------|-------------|---|
| DECACHLOROBIPHENYL UNLABELED | (CAS-No.) 2051-24-3 | 0.000000028 | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation), H332<br>Skin Irrit. 2, H315<br>Carc. 1A, H350<br>Repr. 1A, H360<br>STOT SE 2, H371<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| 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, both acute and delayed

|                                     |  |
|-------------------------------------|--|
| 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.          |

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

No additional information available

### SECTION 5: Firefighting measures

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

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

#### 5.3. Advice for firefighters

|                                |   |
|--------------------------------|---|
| Firefighting instructions      | : 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.

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### 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. Contain spillage, then collect with non-combustible absorbent material. Disposal should be in accordance with applicable Federal, State and local regulations.
- 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.
- 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.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| <b>2,2',5,5'-TETRACB (PCB-52) (13C12, 99%) (208263-80-3)</b> |   |  |
|--|---|--|
| USA OSHA   | OSHA PEL (TWA) (mg/m <sup>3</sup> )     | 0.5 mg/m <sup>3</sup>  |
| <b>DECACB (PCB-209) (13C12, 99%) (105600-27-9)</b>           |   |  |
| USA NIOSH  | NIOSH REL (TWA) (mg/m <sup>3</sup> )    | 0.001 mg/m <sup>3</sup> USA. NIOSH Recommended Exposure Limits. Remarks : Potential Occupational Carcinogen. |
| <b>N-NONANE UNLABELED (111-84-2)</b>                         |   |  |
| Italy - Portugal - USA ACGIH                                 | ACGIH TWA (ppm)                         | 200.00000000 ppm USA. ACGIH Threshold Limit Values (TLV)   |
| Italy - Portugal - USA ACGIH                                 | Remark (ACGIH)                          | CNS impair   |
| USA NIOSH  | NIOSH REL (TWA) (mg/m <sup>3</sup> )    | 1050 mg/m <sup>3</sup> USA. NIOSH Recommended Exposure Limits  |
| USA NIOSH  | NIOSH REL (TWA) (ppm)                   | 200 ppm USA. NIOSH Recommended Exposure Limits   |
| USA NIOSH  | Remark (NIOSH)                          | Central Nervous System impairment  |
| USA OSHA   | OSHA PEL (TWA) (mg/m <sup>3</sup> )     | 1050 mg/m <sup>3</sup> USA. OSHA - Table Z-1 Limits for Air Contaminants - 1910.1000                         |
| USA OSHA   | OSHA PEL (TWA) (ppm)                    | 200 ppm USA. OSHA - Table Z-1 Limits for Air Contaminants - 1910.1000  |
| USA OSHA   | OSHA PEL (Ceiling) (mg/m <sup>3</sup> ) | 1050 California permissible exposure limits for chemical contaminants.                                       |
| USA OSHA   | OSHA PEL (Ceiling) (ppm)                | 200 ppm California permissible exposure limits for chemical contaminants.                                    |
| <b>DECACHLOROBIPHENYL UNLABELED (2051-24-3)</b>              |   |  |
| USA NIOSH  | NIOSH REL (TWA) (mg/m <sup>3</sup> )    | 0.001 mg/m <sup>3</sup> USA. NIOSH Recommended Exposure Limits. Remarks : Potential Occupational Carcinogen. |
| <b>ISOCTANE UNLABELED (540-84-1)</b>                         |   |  |
| Italy - Portugal - USA ACGIH                                 | ACGIH TWA (ppm)                         | 300.00000000 ppm Basis: USA. ACGIH Threshold Limit Values (TLV)  |
| Italy - Portugal - USA ACGIH                                 | Remark (ACGIH)                          | Upper Respiratory Tract irritation   |

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### 8.2. Exposure controls

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.  
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

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

Physical state : Liquid  
Appearance : Liquid  
Molecular mass : 128.3 g/mol  
Color : Colorless  
Odor : Characteristic  
Odor threshold : No data available  
pH : No data available  
Relative evaporation rate (butyl acetate=1) : No data available  
Melting point : No data available  
Freezing point : -53 °C (- 63 °F) - lit  
Boiling point : 151 °C (304 °F) - lit  
Flash point : 31 °C (87.8 °F) - closed cup  
Auto-ignition temperature : 205 °C (401 °F)  
Decomposition temperature : No data available  
Flammability (solid, gas) : Flammable liquid and vapor  
Vapor pressure : 12.4 hPa (9.3 mmHg) at 37.7 °C (99.9 °F)  
Relative vapor density at 20 °C : No data available  
Relative density : No data available  
Specific gravity / density : 0.718 g/ml at 25 °C (77 °F)  
Solubility : Water: 0 %  
Log Pow : 5.65  
Log Kow : No data available  
Viscosity, kinematic : No data available  
Viscosity, dynamic : No data available  
Explosive properties : No data available  
Oxidizing properties : No data available  
Explosion limits : 0.87 - 2.9 % (V)

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Vapors may form explosive mixture with air.

### 10.2. Chemical stability

See storage and expiration date on CoA.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

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

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### 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 : Inhalation: Harmful if inhaled.

| METHOD 1668A/B/C CALIBRATION SOLUTION CS0.02 |                  |
|--|------------------|
| ATE CLP (gases)                              | 4500.000 ppmV/4h |
| ATE CLP (vapors)                             | 11.000 mg/l/4h   |
| ATE CLP (dust, mist)                         | 1.500 mg/l/4h    |

| DECACB (PCB-209) (13C12, 99%) (105600-27-9) |                            |
|---|----------------------------|
| ATE CLP (oral)                              | 500.000 mg/kg body weight  |
| ATE CLP (dermal)                            | 1100.000 mg/kg body weight |
| ATE CLP (gases)                             | 4500.000 ppmV/4h           |
| ATE CLP (vapors)                            | 11.000 mg/l/4h             |
| ATE CLP (dust, mist)                        | 1.500 mg/l/4h              |

| N-NONANE UNLABELED (111-84-2)          |                                       |
|--|---------------------------------------|
| LC50 inhalation rat (mg/l)             | 23760 mg/m <sup>3</sup> male - 4 h    |
| ATE CLP (vapors)                       | 11.000 mg/l/4h                        |
| Skin corrosion/irritation, Dermal, rat | Result: Skin Irritation (Draize Test) |
| Additional information                 | : S. Typhimurium Result: negative     |

| 3,4,4'-TRICB UNLABELED (38444-90-5) |                           |
|-------------------------------------|---------------------------|
| ATE CLP (oral)                      | 500.000 mg/kg body weight |

| 3,4,4',5-TETRACB UNLABELED (70362-50-4) |                                    |
|---|------------------------------------|
| Additional information                  | LD50 - Oral - guinea pig - 1 mg/kg |

| DECACHLOROBIPHENYL UNLABELED (2051-24-3) |                            |
|--|----------------------------|
| ATE CLP (oral)                           | 500.000 mg/kg body weight  |
| ATE CLP (dermal)                         | 1100.000 mg/kg body weight |
| ATE CLP (gases)                          | 4500.000 ppmV/4h           |
| ATE CLP (vapors)                         | 11.000 mg/l/4h             |
| ATE CLP (dust, mist)                     | 1.500 mg/l/4h              |

| ISOCTANE UNLABELED (540-84-1) |   |
|-------------------------------|---|
| LD50 oral rat                 | > 5000 mg/kg (OECD Test Guideline 401)    |
| LD50 dermal rabbit            | > 2000 mg/kg (OECD Test Guideline 402)    |
| LC50 inhalation rat (mg/l)    | > 33.52 mg/l/4h (OECD Test Guideline 403) |

|   |   |
|---|---|
| Skin corrosion/irritation                           | : Causes skin irritation.   |
| Serious eye damage/irritation                       | : Causes serious eye irritation.  |
| Respiratory or skin sensitization                   | : Not classified<br>Based on available data, the classification criteria are not met  |
| Germ cell mutagenicity                              | : Not classified<br>Based on available data, the classification criteria are not met  |
| Carcinogenicity                                     | : Not classified<br>Based on available data, the classification criteria are not met  |
| Reproductive toxicity                               | : Not classified<br>Based on available data, the classification criteria are not met  |
| Specific target organ toxicity – single exposure    | : May cause drowsiness or dizziness.  |
| Specific target organ toxicity – repeated exposure  | : Not classified<br>Based on available data, the classification criteria are not met  |
| Aspiration hazard                                   | : May be fatal if swallowed and enters airways.   |
| Potential Adverse human health effects and symptoms | : This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. Based on available data, the classification criteria are not met. |
| Symptoms/effects after inhalation                   | : Harmful if inhaled. May cause drowsiness or dizziness.  |

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|                                     |   |
|-------------------------------------|---|
| 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 - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

|  |  |
|--|--|
| <b>2-MONOCHLOROBIPHENYL (PCB-1) (13C12, 99%) (234432-85-0)</b>           |  |
| LC50 fish 1  | 0.54 mg/l Oncorhynchus mykiss (rainbow trout) - 96 h           |
| EC50 Daphnia 1   | 0.71 mg/l Daphnia magna (Water flea) - 48 h                    |
| <b>4-MONOCHLOROBIPHENYL (PCB-3) (13C12, 99%) (208263-77-8)</b>           |  |
| LC50 fish 1  | 0.72 mg/l Oncorhynchus mykiss (rainbow trout) - 96 h           |
| EC50 Daphnia 1   | 0.42 mg/l Daphnia magna (Water flea) - 48 h                    |
| <b>4,4'-DICHLOROBIPHENYL (PCB-15) (13C12, 99%) (208263-67-6)</b>         |  |
| EC50 Daphnia 1   | 0.45 mg/l Daphnia Magna (Water flea) - 48 h                    |
| <b>2,4,4'-TRICHLOROBIPHENYL (PCB-28) (13C12, 99%) (208263-76-7)</b>      |  |
| LC50 fish 1  | > 0.16 mg/l Pimephales promelas (fathead minnow) -96h          |
| EC50 Daphnia 1   | > 0.16 mg/l Daphnia magna (Water flea) -48h                    |
| <b>2,2',5,5'-TETRACHLOROBIPHENYL (PCB-52) (13C12, 99%) (208263-80-3)</b> |  |
| LC50 fish 1  | >= 0.002 mg/l Pimephales promelas (fathead minnow) - 96 h      |
| EC50 Daphnia 1   | >= 0.002 mg/l Daphnia magna (Water flea) - 48 h                |
| NOEC (chronic)   | 0.1 mg/l Oncorhynchus mykiss (rainbow trout) - 7 d             |
| <b>3,3',4,4'-TETRACHLOROBIPHENYL (PCB-77) (13C12, 99%) (105600-23-5)</b> |  |
| LC50 fish 1  | > 0.002 mg/l Pimephales promelas (fathead minnow) - 96 h       |
| EC50 Daphnia 1   | > 0.002 mg/l Daphnia magna (Water flea) - 48 h                 |
| 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-MONOCHLOROBIPHENYL UNLABELED (2051-60-7)</b>                        |  |
| LC50 fish 1  | 0.54 mg/l Oncorhynchus mykiss (rainbow trout) - 96 h           |
| EC50 Daphnia 1   | 0.71 mg/l Daphnia magna (Water flea) - 48 h                    |
| <b>4-MONOCHLOROBIPHENYL UNLABELED (2051-62-9)</b>                        |  |
| LC50 fish 1  | 0.72 mg/l Oncorhynchus mykiss (rainbow trout) - 96 h           |
| EC50 Daphnia 1   | 0.42 mg/l Daphnia magna (Water flea) - 48 h                    |
| <b>4,4'-DICHLOROBIPHENYL UNLABELED (2050-68-2)</b>                       |  |
| EC50 Daphnia 1   | 0.45 mg/l Daphnia Magna (Water flea) - 48 h                    |
| <b>3,4,4'-TRICHLOROBIPHENYL UNLABELED (38444-90-5)</b>                   |  |
| LC50 fish 1  | 0.034 mg/l Pimephales promelas (fathead minnow) - 96 h         |
| <b>2,2',6,6'-TETRACHLOROBIPHENYL UNLABELED (15968-05-5 (Unlabeled))</b>  |  |
| LC50 fish 1  | Pimephales promelas (fathead minnow) - 96 h                    |
| EC50 Daphnia 1   | Daphnia magna (Water flea) - 48 h                              |
| NOEC (chronic)   | 0.1 mg/l Oncorhynchus mykiss (rainbow trout) - 7 d             |
| <b>3,3',4,4'-TETRACHLOROBIPHENYL UNLABELED (32598-13-3)</b>              |  |
| LC50 fish 1  | > 0.002 mg/l Pimephales promelas (fathead minnow) - 96 h       |
| EC50 Daphnia 1   | > 0.002 mg/l Daphnia magna (Water flea) - 48 h                 |
| NOEC (chronic)   | 0.1 mg/l Oncorhynchus mykiss (rainbow trout) - 7 d             |
| <b>3,4,4',5-TETRACHLOROBIPHENYL UNLABELED (70362-50-4)</b>               |  |
| LC50 fish 1  | Pimephales promelas (fathead minnow) - 96 h                    |
| EC50 Daphnia 1   | Daphnia magna (Water flea) - 48 h                              |
| NOEC (chronic)   | 0.1 mg/l Oncorhynchus mykiss (rainbow trout) - 7 d             |
| <b>2,3,3',4,4'-PENTACHLOROBIPHENYL UNLABELED (32598-14-4)</b>            |  |
| LC50 fish 1  | > 0.16 mg/l Pimephales promelas (fathead minnow) - 96 h        |
| EC50 Daphnia 1   | > 0.16 mg/l Daphnia magna (Water flea) - 48 h                  |
| <b>2',3,4,4',5-PENTACHLOROBIPHENYL UNLABELED (65510-44-3)</b>            |  |
| LC50 fish 1  | > 0.16 mg/l Pimephales promelas (fathead minnow) - 96 h        |



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|  |   |
|--|---|
| <b>2',3',4',4',5-PENTACB UNLABELED (65510-44-3)</b>    |   |
| EC50 Daphnia 1   | > 0.16 mg/l Daphnia magna (Water flea) - 48 h           |
| <b>2,3,3',4,4',5-HEXACB UNLABELED (38380-08-4)</b>     |   |
| LC50 fish 1  | > 0.16 mg/l Pimephales promelas (fathead minnow) - 96 h |
| EC50 Daphnia 1   | > 0.16 mg/l Daphnia magna (Water flea) - 48 h           |
| <b>2,3',4,4',5,5'-HEXACB UNLABELED (52663-72-6)</b>    |   |
| LC50 fish 1  | > 0.16 mg/l Pimephales promelas (fathead minnow) - 96 h |
| EC50 Daphnia 1   | > 0.16 mg/l Daphnia magna (Water flea) - 48 h           |
| <b>2,3,3',4,4',5,5'-HEPTACB UNLABELED (39635-31-9)</b> |   |
| LC50 fish 1  | > 0.16 mg/l Pimephales promelas (fathead minnow) - 96 h |
| EC50 Daphnia 1   | > 0.16 mg/l Daphnia magna (Water flea) - 48 h           |

### 12.2. Persistence and degradability

|   |   |
|---|---|
| <b>METHOD 1668A/B/C CALIBRATION SOLUTION CS0.02</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. |

### 12.3. Bioaccumulative potential

|  |  |
|--|--|
| <b>METHOD 1668A/B/C CALIBRATION SOLUTION CS0.02</b>                          |  |
| Log Pow  | 5.65   |
| Bioaccumulative potential  | Not established.   |
| <b>4-MONOCB (PCB-3) (13C12, 99%) (208263-77-8)</b>                           |  |
| Bioconcentration factor (BCF REACH)  | 54 Oryzias latipes - 500 ug/l - 20 d   |
| <b>2,2'-DICB (PCB-4) (13C12, 99%) (234432-86-1)</b>                          |  |
| Log Pow  | 4.1  |
| <b>4,4'-DICB (PCB-15) (13C12, 99%) (208263-67-6)</b>                         |  |
| BCF fish 1   | Cyprinus carpio (Carp) - 28 d  |
| Bioconcentration factor (BCF REACH)  | 14,000   |
| Log Pow  | 4.1  |
| <b>3,3',4,4'-TETRACB (PCB-77) (13C12, 99%) (105600-23-5)</b>                 |  |
| Log Pow  | 6.63   |
| Bioaccumulative potential  | Bioaccumulation: Oryzias latipes - 20 d Bioconcentration factor (BCF): 81.5. |
| <b>2,3',4,4',5-PENTACB (PCB-118) (13C12, 98%) (104130-40-7)</b>              |  |
| Log Pow  | 7.12   |
| <b>3,3',4,4',5,5'-HEXACB (PCB-169) (13C12, 99%) (32774-16-6 (Unlabeled))</b> |  |
| Log Pow  | 6.7  |
| <b>2,2',3,4',5,6,6'-HEPTACB (PCB-188) (13C12, 99%) (234432-91-8)</b>         |  |
| Log Pow  | 8.27   |
| <b>N-NONANE UNLABELED (111-84-2)</b>   |  |
| Log Pow  | 5.65   |
| Bioaccumulative potential  | Indication of bioaccumulation.   |
| <b>4-MONOCB UNLABELED (2051-62-9)</b>  |  |
| BCF fish 1   | >= 0.5 mg/l Oryzias latipes - 20 d   |
| Bioconcentration factor (BCF REACH)  | >= 54  |
| <b>2,2'-DICB UNLABELED (13029-08-8)</b>                                      |  |
| Log Pow  | 4.1  |
| <b>3,3',4,4'-TETRACB UNLABELED (32598-13-3)</b>                              |  |
| Bioconcentration factor (BCF REACH)  | 81.5   |
| Bioaccumulative potential  | Bioaccumulation: Oryzias latipes - 20 d Bioconcentration factor (BCF): 81.5. |
| <b>2,3',4,4',5-PENTACB UNLABELED (31508-00-6)</b>                            |  |
| Log Pow  | 7.12   |
| <b>ISOCTANE UNLABELED (540-84-1)</b>   |  |
| Log Pow  | 4.6  |

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### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. 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. Waste treatment methods

Regional legislation (waste) : Waste materials should be disposed of under conditions which meet Federal, State, and local environmental control regulations.  
Product/Packaging disposal recommendations : Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. 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 ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

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

### 14.2. UN proper shipping name

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



Packing group (DOT) : III - Minor Danger  
DOT Special Provisions (49 CFR 172.102) : B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable.  
IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).  
T2 - 1.5 178.274(d)(2) Normal..... 178.275(d)(3)  
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling =  $97 / 1 + a (tr - tf)$  Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.  
DOT Packaging Exceptions (49 CFR 173.xxx) : 150  
DOT Packaging Non Bulk (49 CFR 173.xxx) : 203  
DOT Packaging Bulk (49 CFR 173.xxx) : 242  
Marine pollutant : No

### 14.3. Additional information

Other information : No supplementary information available.

### Overland transport

Packing group (ADR) : III  
Class (ADR) : 3 - Flammable liquid

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Hazard identification number (Kemler No.) : 30  
Classification code (ADR) : F1  
Hazard labels (ADR) : 3 - Flammable liquids



Orange plates :

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

### Transport by sea

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

### Air transport

DOT Quantity Limitations Passenger aircraft/rail : 60 L  
(49 CFR 173.27)  
DOT Quantity Limitations Cargo aircraft only (49 : 220 L  
CFR 175.75)

### 14.4. Environmental hazards

Other information : No supplementary information available.

### 14.5. Special precautions for user

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

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

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|  |  |
|--|--|
| SARA Section 302 Threshold Planning Quantity (TPQ) | SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302 |
| SARA Section 311/312 Hazard Classes                | Fire hazard<br>Immediate (acute) health hazard   |
| SARA Section 313 - Emission Reporting              | Not subject to reporting requirements of the United States SARA Section 313                                      |

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

|   |  |
|---|--|
| Not listed on the United States TSCA (Toxic Substances Control Act) inventory |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)                            | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 311/312 Hazard Classes   | Delayed (chronic) health hazard  |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313. |

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

|   |  |
|---|--|
| Not listed on the United States TSCA (Toxic Substances Control Act) inventory |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)                            | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 311/312 Hazard Classes   | Immediate (acute) health hazard<br>Delayed (chronic) health hazard           |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313. |

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

|   |  |
|---|--|
| Not listed on the United States TSCA (Toxic Substances Control Act) inventory |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)                            | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 311/312 Hazard Classes   | Delayed (chronic) health hazard  |

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|   |  |
|---|--|
| <b>2,2'-DICB (PCB-4) (13C12, 99%) (234432-86-1)</b>                           |  |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313. |
| <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. |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313. |
| <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<br>Delayed (chronic) health hazard           |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313  |
| <b>2,2',6-TRICB (PCB-19) (13C12, 99%) (234432-87-2)</b>                       |  |
| Not listed on the United States TSCA (Toxic Substances Control Act) inventory |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)                            | Not subject to reporting requirements of the United States SARA Section 302  |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313  |
| <b>2,4,4'-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  |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>3,4,4'-TRICB (PCB-37) (13C12, 99%) (208263-79-0)</b>                       |  |
| Not listed on the United States TSCA (Toxic Substances Control Act) inventory |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)                            | Not subject to reporting requirements of the United States SARA Section 302  |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313  |
| <b>2,2',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. |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>2,2',6,6'-TETRACB (PCB-54) (13C12, 98%) (234432-88-3)</b>                  |  |
| Not listed on the United States TSCA (Toxic Substances Control Act) inventory |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)                            | Not subject to reporting requirements of the United States SARA Section 302  |
| SARA Section 311/312 Hazard Classes   | Delayed (chronic) health hazard  |
| SARA Section 313 - Emission Reporting   | Subject to reporting requirements of the United States SARA Section 313      |
| <b>3,3',4,4'-TETRACB (PCB-77) (13C12, 99%) (105600-23-5)</b>                  |  |
| Not listed on the United States TSCA (Toxic Substances Control Act) inventory |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)                            | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>3,4,4',5-TETRACB (PCB-81) (13C12, 99%) (208461-24-9)</b>                   |  |
| Not listed on the United States TSCA (Toxic Substances Control Act) inventory |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)                            | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>2,2',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. |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>2,2',4,6,6'-PENTACB (PCB-104) (13C12, 98%) (234432-89-4)</b>               |  |
| Not listed on the United States TSCA (Toxic Substances Control Act) inventory |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)                            | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>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. |

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|   |  |
|---|--|
| <b>2,3,3',4,4'-PENTACB (PCB-105) (13C12, 99%) (208263-62-1)</b>               |  |
| SARA Section 311/312 Hazard Classes   | Immediate (acute) health hazard<br>Delayed (chronic) health hazard           |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>2,3,3',5,5'-PENTACB (PCB-111) (13C12, 99%) (235416-29-2)</b>               |  |
| Not listed on the United States TSCA (Toxic Substances Control Act) inventory |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)                            | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 311/312 Hazard Classes   | Immediate (acute) health hazard<br>Delayed (chronic) health hazard           |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>2,3,4,4',5-PENTACB (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  |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313. |
| <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  |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313. |
| <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  |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>3,3',4,4',5-PENTACB (PCB-126) (13C12, 99%) (208263-65-4)</b>               |  |
| Not listed on the United States TSCA (Toxic Substances Control Act) inventory |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)                            | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 311/312 Hazard Classes   | Delayed (chronic) health hazard  |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>2,2',3,4,4',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  |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>2,2',4,4',6'-HEXACB (PCB-155) (13C12, 99%) (234432-90-7)</b>               |  |
| Not listed on the United States TSCA (Toxic Substances Control Act) inventory |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)                            | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 311/312 Hazard Classes   | Delayed (chronic) health hazard  |
| SARA Section 313 - Emission Reporting   | Subject to reporting requirements of the United States SARA Section 313.     |
| <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  |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>2,3,3',4,4',5'-HEXACB (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  |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>2,3',4,4',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  |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313. |

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|   |  |
|---|--|
| <b>3,3',4,4',5,5'-HEXACB (PCB-169) (13C12, 99%) (32774-16-6 (Unlabeled))</b>  |  |
| Not listed on the United States TSCA (Toxic Substances Control Act) inventory |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)                            | Not subject to reporting requirements of the United States SARA Section 302.           |
| SARA Section 311/312 Hazard Classes   | Delayed (chronic) health hazard  |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313.           |
| <b>2,2',3,3',5,5',6-HEPTACB (PCB-178) (13C12, 99%) (232919-67-4)</b>          |  |
| Not listed on the United States TSCA (Toxic Substances Control Act) inventory |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)                            | Not subject to reporting requirements of the United States SARA Section 302.           |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313.           |
| <b>2,2',3,4',5,6,6'-HEPTACB (PCB-188) (13C12, 99%) (234432-91-8)</b>          |  |
| Not listed on the United States TSCA (Toxic Substances Control Act) inventory |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)                            | Not subject to reporting requirements of the United States SARA Section 302            |
| SARA Section 311/312 Hazard Classes   | Delayed (chronic) health hazard  |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313            |
| <b>2,3,3',4,4',5,5'-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  |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313.           |
| <b>2,2',3,3',4,4',5,5'-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  |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313.           |
| <b>2,2',3,3',5,5',6,6'-OCTACB (PCB-202) (13C12, 99%) (105600-26-8)</b>        |  |
| Not listed on the United States TSCA (Toxic Substances Control Act) inventory |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)                            | Not subject to reporting requirements of the United States SARA Section 302.           |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313.           |
| <b>2,3,3',4,4',5,5',6-OCTACB (PCB-205) (13C12 99%) (234446-64-1)</b>          |  |
| Not listed on the United States TSCA (Toxic Substances Control Act) inventory |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)                            | Not subject to reporting requirements of the United States SARA Section 302            |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313            |
| <b>2,2',3,3',4,4',5,5',6-NONACB (PCB-206) (13C12, 99%) (208263-75-6)</b>      |  |
| Not listed on the United States TSCA (Toxic Substances Control Act) inventory |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)                            | Not subject to reporting requirements of the United States SARA Section 302            |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313            |
| <b>2,2',3,3',4,5,5',6,6'-NONACB (PCB-208) (13C12, 99%) (234432-92-9)</b>      |  |
| Not listed on the United States TSCA (Toxic Substances Control Act) inventory |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)                            | Not subject to reporting requirements of the United States SARA Section 302.           |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313.           |
| <b>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.           |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313.           |
| <b>N-NONANE UNLABELED (111-84-2)</b>  |  |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory     |  |
| EPA TSCA Regulatory Flag  | T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA. |
| SARA Section 302 Threshold Planning Quantity (TPQ)                            | Not subject to reporting requirements of the United States SARA Section 302.           |
| SARA Section 311/312 Hazard Classes   | Fire hazard<br>Immediate (acute) health hazard   |
| SARA Section 313 - Emission Reporting   | Not subject to reporting requirements of the United States SARA Section 313.           |

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| <b>2-MONOCB UNLABELED (2051-60-7)</b>                       |  |
|---|--|
| SARA Section 302 Threshold Planning Quantity (TPQ)          | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 311/312 Hazard Classes                         | Delayed (chronic) health hazard  |
| SARA Section 313 - Emission Reporting                       | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>4-MONOCB UNLABELED (2051-62-9)</b>                       |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)          | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 311/312 Hazard Classes                         | Immediate (acute) health hazard<br>Delayed (chronic) health hazard           |
| SARA Section 313 - Emission Reporting                       | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>2,2'-DICB UNLABELED (13029-08-8)</b>                     |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)          | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 311/312 Hazard Classes                         | Delayed (chronic) health hazard  |
| SARA Section 313 - Emission Reporting                       | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>4,4'-DICB UNLABELED (2050-68-2)</b>                      |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)          | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 313 - Emission Reporting                       | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>2,2',6-TRICB UNLABELED (38444-73-4)</b>                  |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)          | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 311/312 Hazard Classes                         | Delayed (chronic) health hazard  |
| SARA Section 313 - Emission Reporting                       | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>3,4,4'-TRICB UNLABELED (38444-90-5)</b>                  |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)          | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 313 - Emission Reporting                       | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>2,2',6,6'-TETRACB UNLABELED (15968-05-5 (Unlabeled))</b> |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)          | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 313 - Emission Reporting                       | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>3,3',4,4'-TETRACB UNLABELED (32598-13-3)</b>             |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)          | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 313 - Emission Reporting                       | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>3,4,4',5-TETRACB UNLABELED (70362-50-4)</b>              |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)          | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 313 - Emission Reporting                       | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>2,2',4,6,6'-PENTACB UNLABELED (56558-16-8)</b>           |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)          | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 313 - Emission Reporting                       | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>2,3,3',4,4'-PENTACB UNLABELED (32598-14-4)</b>           |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)          | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 311/312 Hazard Classes                         | Delayed (chronic) health hazard  |
| SARA Section 313 - Emission Reporting                       | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>2,3,4,4',5-PENTACB UNLABELED (74472-37-0)</b>            |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)          | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 311/312 Hazard Classes                         | Delayed (chronic) health hazard  |
| SARA Section 313 - Emission Reporting                       | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>2,3',4,4',5-PENTACB UNLABELED (31508-00-6)</b>           |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)          | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 311/312 Hazard Classes                         | Delayed (chronic) health hazard  |
| SARA Section 313 - Emission Reporting                       | Not subject to reporting requirements of the United States SARA Section 313. |

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|  |  |
|--|--|
| <b>2',3,4,4',5-PENTACB UNLABELED (65510-44-3)</b>          |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)         | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 311/312 Hazard Classes                        | Delayed (chronic) health hazard  |
| SARA Section 313 - Emission Reporting                      | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>3,3',4,4',5-PENTACB UNLABELED (57465-28-8)</b>          |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)         | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 313 - Emission Reporting                      | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>2,2',4,4',6,6'-HEXACB UNLABELED (33979-03-2)</b>        |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)         | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 313 - Emission Reporting                      | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>2,3,3',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  |
| SARA Section 313 - Emission Reporting                      | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>2,3,3',4,4',5'-HEXACB UNLABELED (69782-90-7)</b>        |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)         | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 311/312 Hazard Classes                        | Delayed (chronic) health hazard  |
| SARA Section 313 - Emission Reporting                      | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>2,3',4,4',5,5'-HEXACB UNLABELED (52663-72-6)</b>        |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)         | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 311/312 Hazard Classes                        | Delayed (chronic) health hazard  |
| SARA Section 313 - Emission Reporting                      | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>3,3',4,4',5,5'-HEXACB UNLABELED (32774-16-6)</b>        |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)         | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 313 - Emission Reporting                      | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>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  |
| SARA Section 313 - Emission Reporting                      | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>2,3,3',4,4',5,5'-HEPTACB UNLABELED (39635-31-9)</b>     |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)         | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 311/312 Hazard Classes                        | Delayed (chronic) health hazard  |
| SARA Section 313 - Emission Reporting                      | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>2,2',3,3',5,5',6,6'-OCTACB UNLABELED (2136-99-4)</b>    |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)         | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 313 - Emission Reporting                      | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>2,2',3,3',4,4',5,5',6-NONACB UNLABELED (40186-72-9)</b> |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)         | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 313 - Emission Reporting                      | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>2,3,3',4,4',5,5',6-OCTACB UNLABELED (74472-53-0)</b>    |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)         | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 313 - Emission Reporting                      | Not subject to reporting requirements of the United States SARA Section 313. |
| <b>2,2',3,3',4,5,5',6,6'-NONACB UNLABELED (52663-77-1)</b> |  |
| SARA Section 302 Threshold Planning Quantity (TPQ)         | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 313 - Emission Reporting                      | Not subject to reporting requirements of the United States SARA Section 313. |



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

|  |  |
|--|--|
| SARA Section 302 Threshold Planning Quantity (TPQ) | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 313 - Emission Reporting              | Not subject to reporting requirements of the United States SARA Section 313. |

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

|  |  |
|--|--|
| SARA Section 302 Threshold Planning Quantity (TPQ) | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 311/312 Hazard Classes                | Fire hazard<br>Delayed (chronic) health hazard                               |
| SARA Section 313 - Emission Reporting              | Not subject to reporting requirements of the United States SARA Section 313. |

## 15.2. International regulations

### CANADA

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Listed on the Canadian DSL (Domestic Substances List)

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

Listed on the Canadian DSL (Domestic Substances List)

### 15.2.1. National regulations

#### 2-MONOCLOROBIPHENYL (PCB-1) (13C12, 99%) (234432-85-0)

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

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

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

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

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

#### 2,2',6-TRICHLOROBIPHENYL (PCB-19) (13C12, 99%) (234432-87-2)

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

#### 3,4,4'-TRICHLOROBIPHENYL (PCB-37) (13C12, 99%) (208263-79-0)

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

#### 2,2',6,6'-TETRACHLOROBIPHENYL (PCB-54) (13C12, 98%) (234432-88-3)

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

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

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

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

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

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

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

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

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

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

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

#### 3,3',4,4',5,5'-HEXACHLOROBIPHENYL (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-HEPTACHLOROBIPHENYL (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'-HEPTACHLOROBIPHENYL (PCB-188) (13C12, 99%) (234432-91-8)

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

#### 2,2',3,3',5,5',6,6'-OCTACHLOROBIPHENYL (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-OCTACHLOROBIPHENYL (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-NONACHLOROBIPHENYL (PCB-206) (13C12, 99%) (208263-75-6)

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

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### 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)

### 15.3. US State regulations

#### METHOD 1668A/B/C CALIBRATION SOLUTION CS0.02()

|   |   |
|---|---|
| U.S. - California - Proposition 65 - Carcinogens List               | No  |
| U.S. - California - Proposition 65 - Developmental Toxicity         | No  |
| U.S. - California - Proposition 65 - Reproductive Toxicity - Female | No  |
| U.S. - California - Proposition 65 - Reproductive Toxicity - Male   | No  |
| State or local regulations  | RTK - U.S. - Massachusetts - Right To Know List<br>RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |

#### 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) |
| 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) |
| 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) |
| 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) |
| 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) |
| Yes   | Yes   | Yes   | Yes   |                                  |

#### 2,2',6-TRICB (PCB-19) (13C12, 99%) (234432-87-2)

|   |   |   |   |                                  |
|---|---|---|---|----------------------------------|
| 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) |
| Yes   | Yes   | Yes   | Yes   |                                  |

#### 2,4,4'-TRICB (PCB-28) (13C12, 99%) (208263-76-7)

|   |   |   |   |                                  |
|---|---|---|---|----------------------------------|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| Yes   | Yes   | Yes   | Yes   |                                  |

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| <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) |
| 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) |
| 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) |
| 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) |
| Yes   | Yes   | Yes   | Yes   |                                  |
| <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) |
| 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) |
| 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) |
| 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) |
| 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) |
| 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) |
| Yes   | Yes   | Yes   | Yes   |                                  |

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| <b>2,3,4,4',5-PENTACB (PCB-114) (13C12, 99%) (208263-63-2)</b>               |   |   |   |                                  |
|--|---|---|---|----------------------------------|
| 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) |
| 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) |
| 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) |
| 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) |
| 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) |
| 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) |
| 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) |
| Yes  | Yes   | Yes   | Yes   |                                  |
| <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) |
| 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) |
| Yes  | Yes   | Yes   | Yes   |                                  |

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|  |   |   |   |                                  |
|--|---|---|---|----------------------------------|
| <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) |
| 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) |
| 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) |
| 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) |
| 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) |
| 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) |
| 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) |
| 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) |
| 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) |
| Yes  | Yes   | No  | No  |                                  |
| <b>N-NONANE UNLABELED (111-84-2)</b>                                     |   |   |   |                                  |
| U.S. - California - Proposition 65 - Carcinogens List                    | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |

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| <b>N-NONANE UNLABELED (111-84-2)</b>                        |   |   |   |                                  |
|---|---|---|---|----------------------------------|
| No  | No  | 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) |
| 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) |
| Yes   | Yes   | Yes   | Yes   |                                  |
| <b>2,2'-DICB UNLABELED (13029-08-8)</b>                     |   |   |   |                                  |
| U.S. - California - Proposition 65 - Carcinogens List       | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| Yes   | Yes   | Yes   | Yes   |                                  |
| <b>4,4'-DICB UNLABELED (2050-68-2)</b>                      |   |   |   |                                  |
| U.S. - California - Proposition 65 - Carcinogens List       | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| Yes   | Yes   | Yes   | Yes   |                                  |
| <b>2,2',6-TRICB UNLABELED (38444-73-4)</b>                  |   |   |   |                                  |
| U.S. - California - Proposition 65 - Carcinogens List       | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| Yes   | Yes   | No  | No  |                                  |
| <b>3,4,4'-TRICB UNLABELED (38444-90-5)</b>                  |   |   |   |                                  |
| U.S. - California - Proposition 65 - Carcinogens List       | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| Yes   | Yes   | Yes   | Yes   |                                  |
| <b>2,2',6,6'-TETRACB UNLABELED (15968-05-5 (Unlabeled))</b> |   |   |   |                                  |
| U.S. - California - Proposition 65 - Carcinogens List       | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| No  | No  | No  | No  |                                  |
| <b>3,3',4,4'-TETRACB UNLABELED (32598-13-3)</b>             |   |   |   |                                  |
| U.S. - California - Proposition 65 - Carcinogens List       | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| Yes   | Yes   | Yes   | Yes   |                                  |
| <b>3,4,4',5-TETRACB UNLABELED (70362-50-4)</b>              |   |   |   |                                  |
| U.S. - California - Proposition 65 - Carcinogens List       | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| Yes   | Yes   | Yes   | Yes   |                                  |

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| <b>2,2',4,6,6'-PENTACB UNLABELED (56558-16-8)</b>     |   |   |   |                                  |
|---|---|---|---|----------------------------------|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| Yes   | Yes   | Yes   | Yes   |                                  |
| <b>2,3,3',4,4'-PENTACB UNLABELED (32598-14-4)</b>     |   |   |   |                                  |
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| Yes   | Yes   | Yes   | Yes   |                                  |
| <b>2,3,4,4',5-PENTACB UNLABELED (74472-37-0)</b>      |   |   |   |                                  |
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| Yes   | Yes   | Yes   | Yes   |                                  |
| <b>2,3',4,4',5-PENTACB UNLABELED (31508-00-6)</b>     |   |   |   |                                  |
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| Yes   | Yes   | Yes   | Yes   |                                  |
| <b>2',3,4,4',5-PENTACB UNLABELED (65510-44-3)</b>     |   |   |   |                                  |
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| Yes   | Yes   | Yes   | Yes   |                                  |
| <b>3,3',4,4',5-PENTACB UNLABELED (57465-28-8)</b>     |   |   |   |                                  |
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| Yes   | Yes   | Yes   | Yes   |                                  |
| <b>2,2',4,4',6,6'-HEXACB UNLABELED (33979-03-2)</b>   |   |   |   |                                  |
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| Yes   | Yes   | Yes   | Yes   |                                  |
| <b>2,3,3',4,4',5-HEXACB UNLABELED (38380-08-4)</b>    |   |   |   |                                  |
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| Yes   | Yes   | Yes   | Yes   |                                  |
| <b>2,3,3',4,4',5-HEXACB UNLABELED (69782-90-7)</b>    |   |   |   |                                  |
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| Yes   | Yes   | Yes   | Yes   |                                  |
| <b>2,3',4,4',5,5'-HEXACB UNLABELED (52663-72-6)</b>   |   |   |   |                                  |
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| Yes   | Yes   | Yes   | Yes   |                                  |

# METHOD 1668A/B/C CALIBRATION SOLUTION CS0.02

EC-4976-0.02

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

| <b>2,3',4,4',5,5'-HEXACB UNLABELED (52663-72-6)</b>        |   |   |   |                                  |
|--|---|---|---|----------------------------------|
| Yes  | Yes   | Yes   | Yes   |                                  |
| <b>3,3',4,4',5,5'-HEXACB UNLABELED (32774-16-6)</b>        |   |   |   |                                  |
| U.S. - California - Proposition 65 - Carcinogens List      | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| Yes  | Yes   | Yes   | Yes   |                                  |
| <b>2,2',3,4',5,6,6'-HEPTACB UNLABELED (74487-85-7)</b>     |   |   |   |                                  |
| U.S. - California - Proposition 65 - Carcinogens List      | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| Yes  | Yes   | No  | No  |                                  |
| <b>2,3,3',4,4',5,5'-HEPTACB UNLABELED (39635-31-9)</b>     |   |   |   |                                  |
| U.S. - California - Proposition 65 - Carcinogens List      | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| Yes  | Yes   | No  | No  |                                  |
| <b>2,2',3,3',5,5',6,6'-OCTACB UNLABELED (2136-99-4)</b>    |   |   |   |                                  |
| U.S. - California - Proposition 65 - Carcinogens List      | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| Yes  | Yes   | No  | No  |                                  |
| <b>2,2',3,3',4,4',5,5',6-NONACB UNLABELED (40186-72-9)</b> |   |   |   |                                  |
| U.S. - California - Proposition 65 - Carcinogens List      | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| Yes  | Yes   | Yes   | Yes   |                                  |
| <b>2,3,3',4,4',5,5',6-OCTACB UNLABELED (74472-53-0)</b>    |   |   |   |                                  |
| U.S. - California - Proposition 65 - Carcinogens List      | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| Yes  | Yes   | Yes   | Yes   |                                  |
| <b>2,2',3,3',4,5,5',6,6'-NONACB UNLABELED (52663-77-1)</b> |   |   |   |                                  |
| U.S. - California - Proposition 65 - Carcinogens List      | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| Yes  | Yes   | Yes   | Yes   |                                  |
| <b>DECACHLOROBIPHENYL UNLABELED (2051-24-3)</b>            |   |   |   |                                  |
| U.S. - California - Proposition 65 - Carcinogens List      | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| Yes  | Yes   | No  | No  |                                  |
| <b>ISOCTANE UNLABELED (540-84-1)</b>                       |   |   |   |                                  |
| U.S. - California - Proposition 65 - Carcinogens List      | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| No   | No  | No  | No  |                                  |
| <b>2-MONOCB (PCB-1) (13C12, 99%) (234432-85-0)</b>         |   |   |   |                                  |
| <b>State or local regulations</b>                          |   |   |   |                                  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List       |   |   |   |                                  |



# METHOD 1668A/B/C CALIBRATION SOLUTION CS0.02

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## Safety Data Sheet

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

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| <b>2-MONOCB (PCB-1) (13C12, 99%) (234432-85-0)</b>   |
| RTK - U.S. - New Jersey - Right to Know Hazardous Substance List   |
| <b>4-MONOCB (PCB-3) (13C12, 99%) (208263-77-8)</b>   |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>2,2'-DICB (PCB-4) (13C12, 99%) (234432-86-1)</b>  |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>2,5-DICB (PCB-9) (13C12, 98-99%) (250694-89-4)</b>  |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>4,4'-DICB (PCB-15) (13C12, 99%) (208263-67-6)</b>   |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>2,2',6-TRICB (PCB-19) (13C12, 99%) (234432-87-2)</b>  |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>2,4,4'-TRICB (PCB-28) (13C12, 99%) (208263-76-7)</b>  |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>3,4,4'-TRICB (PCB-37) (13C12, 99%) (208263-79-0)</b>  |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>2,2',5,5'-TETRACB (PCB-52) (13C12, 99%) (208263-80-3)</b>   |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>2,2',6,6'-TETRACB (PCB-54) (13C12, 98%) (234432-88-3)</b>   |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>3,3',4,4'-TETRACB (PCB-77) (13C12, 99%) (105600-23-5)</b>   |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>3,4,4',5-TETRACB (PCB-81) (13C12, 99%) (208461-24-9)</b>  |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>2,2',4,5,5'-PENTACB (PCB-101) (13C12, 99%) (104130-39-4)</b>  |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |

# METHOD 1668A/B/C CALIBRATION SOLUTION CS0.02

EC-4976-0.02

## Safety Data Sheet

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

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| <b>2,2',4,6,6'-PENTACB (PCB-104) (13C12, 98%) (234432-89-4)</b>  |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>2,3,3',4,4'-PENTACB (PCB-105) (13C12, 99%) (208263-62-1)</b>  |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>2,3,3',5,5'-PENTACB (PCB-111) (13C12, 99%) (235416-29-2)</b>  |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>2,3,4,4',5-PENTACB (PCB-114) (13C12, 99%) (208263-63-2)</b>   |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>2,3',4,4',5-PENTACB (PCB-118) (13C12, 98%) (104130-40-7)</b>  |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>2',3,4,4',5-PENTACB (PCB-123) (13C12, 99%) (208263-64-3)</b>  |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>3,3',4,4',5-PENTACB (PCB-126) (13C12, 99%) (208263-65-4)</b>  |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>2,2',3,4,4',5'-HEXACB (PCB-138) (13C12, 99%) (208263-66-5)</b>  |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>2,2',4,4',6,6'-HEXACB (PCB-155) (13C12, 99%) (234432-90-7)</b>  |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>2,3,3',4,4',5'-HEXACB (PCB-156) (13C12, 99%) (208263-68-7)</b>  |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>2,3,3',4,4',5'-HEXACB (PCB-157) (13C12, 99%) (235416-30-5)</b>  |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>2,3',4,4',5,5'-HEXACB (PCB-167) (13C12, 99%) (208263-69-8)</b>  |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>3,3',4,4',5,5'-HEXACB (PCB-169) (13C12, 99%) (32774-16-6 (Unlabeled))</b>   |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |

# METHOD 1668A/B/C CALIBRATION SOLUTION CS0.02

EC-4976-0.02

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

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| <b>2,2',3,3',5,5',6-HEPTACB (PCB-178) (13C12, 99%) (232919-67-4)</b>   |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List   |
| <b>2,2',3,4',5,6,6'-HEPTACB (PCB-188) (13C12, 99%) (234432-91-8)</b>   |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List   |
| <b>2,3,3',4,4',5,5'-HEPTACB (PCB-189) (13C12, 99%) (208263-73-4)</b>   |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List   |
| <b>2,2',3,3',4,4',5,5'-OCTACB (PCB-194) (13C12, 98%) (208263-74-5)</b>   |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List   |
| <b>2,2',3,3',5,5',6,6'-OCTACB (PCB-202) (13C12, 99%) (105600-26-8)</b>   |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List   |
| <b>2,3,3',4,4',5,5',6-OCTACB (PCB-205) (13C12 99%) (234446-64-1)</b>   |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List   |
| <b>2,2',3,3',4,4',5,5',6-NONACB (PCB-206) (13C12, 99%) (208263-75-6)</b>   |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List   |
| <b>2,2',3,3',4,5,5',6,6'-NONACB (PCB-208) (13C12, 99%) (234432-92-9)</b>   |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>U.S. - New Jersey - Excluded Volatile Organic Compounds  |
| <b>DECACB (PCB-209) (13C12, 99%) (105600-27-9)</b>   |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List   |
| <b>N-NONANE UNLABELED (111-84-2)</b>   |
| <b>State or local regulations</b>  |
| U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List<br>RTK - U.S. - Massachusetts - Right To Know List<br>RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances |
| <b>2-MONOCB UNLABELED (2051-60-7)</b>  |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List   |
| <b>4-MONOCB UNLABELED (2051-62-9)</b>  |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List   |

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

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| <b>2,2'-DICB UNLABELED (13029-08-8)</b>  |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>4,4'-DICB UNLABELED (2050-68-2)</b>   |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>2,2',6-TRICB UNLABELED (38444-73-4)</b>   |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>3,4,4'-TRICB UNLABELED (38444-90-5)</b>   |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>2,2',6,6'-TETRACB UNLABELED (15968-05-5 (Unlabeled))</b>  |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>3,3',4,4'-TETRACB UNLABELED (32598-13-3)</b>  |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>3,4,4',5-TETRACB UNLABELED (70362-50-4)</b>   |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>2,2',4,6,6'-PENTACB UNLABELED (56558-16-8)</b>  |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>2,3,3',4,4'-PENTACB UNLABELED (32598-14-4)</b>  |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>2,3,4,4',5-PENTACB UNLABELED (74472-37-0)</b>   |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>2,3',4,4',5-PENTACB UNLABELED (31508-00-6)</b>  |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>2',3,4,4',5-PENTACB UNLABELED (65510-44-3)</b>  |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| <b>3,3',4,4',5-PENTACB UNLABELED (57465-28-8)</b>  |
| <b>State or local regulations</b>  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |

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|---|
| <b>2,2',4,4',6,6'-HEXACB UNLABELED (33979-03-2)</b>   |
| <b>State or local regulations</b>   |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List  |
| <b>2,3,3',4,4',5-HEXACB UNLABELED (38380-08-4)</b>  |
| <b>State or local regulations</b>   |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List  |
| <b>2,3,3',4,4',5'-HEXACB UNLABELED (69782-90-7)</b>   |
| <b>State or local regulations</b>   |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List  |
| <b>2,3',4,4',5,5'-HEXACB UNLABELED (52663-72-6)</b>   |
| <b>State or local regulations</b>   |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List  |
| <b>3,3',4,4',5,5'-HEXACB UNLABELED (32774-16-6)</b>   |
| <b>State or local regulations</b>   |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List  |
| <b>2,2',3,4',5,6,6'-HEPTACB UNLABELED (74487-85-7)</b>  |
| <b>State or local regulations</b>   |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List  |
| <b>2,3,3',4,4',5,5'-HEPTACB UNLABELED (39635-31-9)</b>  |
| <b>State or local regulations</b>   |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List  |
| <b>2,2',3,3',5,5',6,6'-OCTACB UNLABELED (2136-99-4)</b>   |
| <b>State or local regulations</b>   |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List  |
| <b>2,2',3,3',4,4',5,5',6-NONACB UNLABELED (40186-72-9)</b>  |
| <b>State or local regulations</b>   |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List  |
| <b>2,3,3',4,4',5,5',6-OCTACB UNLABELED (74472-53-0)</b>   |
| <b>State or local regulations</b>   |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List  |
| <b>2,2',3,3',4,5,5',6,6'-NONACB UNLABELED (52663-77-1)</b>  |
| <b>State or local regulations</b>   |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List  |
| <b>DECACHLOROBIPHENYL UNLABELED (2051-24-3)</b>   |
| <b>State or local regulations</b>   |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List  |
| <b>ISOCTANE UNLABELED (540-84-1)</b>  |
| <b>State or local regulations</b>   |
| RTK - U.S. - Massachusetts - Right To Know List<br>RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |

# METHOD 1668A/B/C CALIBRATION SOLUTION CS0.02

EC-4976-0.02

## Safety Data Sheet

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

### SECTION 16: Other information

- 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 R-, H- and EUH-phrases:

|                                  |   |
|----------------------------------|---|
| Acute Tox. 4 (Dermal)            | Acute toxicity (dermal) Category 4  |
| Acute Tox. 4 (Inhalation)        | Acute toxicity (inhalation) Category 4  |
| Acute Tox. 4 (Inhalation:vapour) | Acute toxicity (inhalation:vapour) Category 4   |
| Acute Tox. 4 (Oral)              | Acute toxicity (oral) Category 4  |
| Aquatic Acute 1                  | Hazardous to the aquatic environment - Acute Hazard Category 1  |
| Aquatic Chronic 1                | Hazardous to the aquatic environment - Chronic Hazard Category 1  |
| Asp. Tox. 1                      | Aspiration hazard Category 1  |
| Carc. 1A                         | Carcinogenicity Category 1A   |
| Carc. 1B                         | Carcinogenicity Category 1B   |
| Carc. 1B                         | Carcinogenicity (inhalation) Category 1B  |
| Eye Dam. 1                       | Serious eye damage/eye irritation Category 1  |
| Eye Irrit. 2                     | Serious eye damage/eye irritation Category 2  |
| Flam. Liq. 2                     | Flammable liquids Category 2  |
| Flam. Liq. 3                     | Flammable liquids Category 3  |
| Repr. 1A                         | Reproductive toxicity Category 1A   |
| Skin Irrit. 2                    | Skin corrosion/irritation Category 2  |
| STOT RE 2                        | Specific target organ toxicity (repeated exposure) Category 2   |
| STOT SE 2                        | Specific target organ toxicity (single exposure) Category 2   |
| STOT SE 3                        | Specific target organ toxicity (single exposure) Category 3   |
| 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  |
| H350i                            | May cause cancer by inhalation.   |
| 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  |
| H410                             | Very toxic to aquatic life with long lasting effects  |
| R10                              | Flammable   |
| R11                              | Highly flammable  |
| R20                              | Harmful by inhalation   |
| R20/21/22                        | Harmful by inhalation, in contact with skin and if swallowed  |
| R22                              | Harmful if swallowed  |
| R28                              | Very toxic if swallowed   |
| R33                              | Danger of cumulative effects  |
| R36/38                           | Irritating to eyes and skin   |
| R38                              | Irritating to skin  |
| R41                              | Risk of serious damage to eyes  |
| R45                              | May cause cancer  |
| R48                              | Danger of serious damage to health by prolonged exposure  |
| R48/20                           | Harmful: danger of serious damage to health by prolonged exposure through inhalation  |
| R48/20/21/22                     | Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed |

# METHOD 1668A/B/C CALIBRATION SOLUTION CS0.02

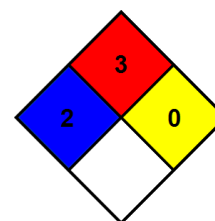
EC-4976-0.02

## Safety Data Sheet

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

|           |   |
|-----------|---|
| R48/21/22 | Harmful: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed |
| R49       | May cause cancer by inhalation  |
| R50/53    | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment         |
| R51/53    | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment              |
| R60       | May impair fertility  |
| R61       | May cause harm to the unborn child  |
| R65       | Harmful: may cause lung damage if swallowed   |
| R67       | Vapors may cause drowsiness and dizziness   |
| F         | Highly flammable  |
| N         | Dangerous for the environment   |
| T+        | Very toxic  |
| Xi        | Irritant  |
| Xn        | Harmful   |

- NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
- NFPA fire hazard : 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions.
- NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



### Hazard Rating

- Health : 2 Moderate Hazard - Temporary or minor injury may occur
- Flammability : 3 Serious Hazard
- Physical : 0 Minimal Hazard

### CIL Mixture SDS

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