

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: 20/04/2017 Revision date: 05/06/2018 Supersedes: 20/04/2017 Version: 1.1

EC-5453

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

1.1. Product identifier

Product form : Mixtures

Product name : RAPID PCB SCREENING NATIVE PAR SOLUTION UNLABELED

Product code : EC-5453

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 <u>cilsales@isotope.com</u> www.isotope.com

Emergency telephone number

Emergency numbers:

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flam. Liq. 2 H225
Skin Irrit. 2 H315
STOT SE 3 H336
Asp. Tox. 1 H304
Aquatic Acute 1 H400
Aquatic Chronic 1 H410

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

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

Xi; R38 N; R50/53 R67 F; R11

Full text of R-phrases: see section 16

GHS-US classification

Flam. Liq. 2 H225 Skin Irrit. 2 H315 STOT SE 3 H336 Asp. Tox. 1 H304 Aquatic Acute 1 H400 Aquatic Chronic 1 H410

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

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2.2. Label elements

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

Hazard pictograms (CLP)









GHS02

GHS

GHS07

GHS09

Signal word (CLP) : Danger

Hazardous ingredients : ISOOCTANE UNLABELED

Hazard statements (CLP) : H225 - Highly flammable liquid and vapor

H304 - May be fatal if swallowed and enters airways

H315 - Causes skin irritation

H336 - May cause drowsiness or dizziness

H410 - Very toxic to aquatic life with long lasting effects

Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking

P233 - Keep container tightly closed

P240 - Ground/bond container and receiving equipment

P241 - Use explosion-proof electrical, lighting, ventilating equipment P261 - Avoid breathing dust, fume, gas, mist, spray, vapors P264 - Wash hands, forearms and face thoroughly after handling

P271 - Use only outdoors or in a well-ventilated area

P273 - Avoid release to the environment

GHS-US labeling

Hazard pictograms (GHS-US)



GHS02







Signal word (GHS-US)

: Danger

Hazard statements (GHS-US) : H225 - Highly flammable liquid and vapor

H304 - May be fatal if swallowed and enters airways

H315 - Causes skin irritation

H336 - May cause drowsiness or dizziness

H410 - Very toxic to aquatic life with long lasting effects

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 equipment

P242 - Use only non-sparking tools

P243 - Take precautionary measures against static discharge P261 - Avoid breathing dust, fume, gas, mist, spray, vapors

P264 - Wash Both hands thoroughly after handling

P271 - Use only outdoors or in a well-ventilated area

P273 - Avoid release to the environment

P280 - Wear eye protection, face protection, protective clothing, protective gloves

P301+P310 - If swallowed: Immediately call a doctor, a POISON CENTER

P302+P352 - If on skin: Wash with plenty of water

P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing

P312 - Call a doctor, a POISON CENTER if you feel unwell P321 - Specific treatment (see First aid measures on this label)

P331 - Do NOT induce vomiting

P332+P313 - If skin irritation occurs: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse

P370+P378 - In case of fire: Use Alcohol resistant foam, Water spray, Dry chemical, Carbon

dioxide. to extinguish P391 - Collect spillage

P403+P233 - Store in a well-ventilated place. Keep container tightly closed

P403+P235 - Store in a well-ventilated place. Keep cool

P405 - Store locked up

P501 - Dispose of contents/container to Comply with applicable regulations

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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
ISOOCTANE UNLABELED	(CAS No) 540-84-1 (EC No) 208-759-1 (EC Index No) 601-009-00-8 (REACH-no) 01-2119457965-22	99.99812	Xi; R38 N; R50/53 R67 F; R11 Xn; R65
2,4,4'-TRICB UNLABELED	(CAS No) 7012-37-5 (EC No) 230-293-2	0.00014	Xi; R36/37/38 N; R50/53
2,2',5-TRICB UNLABELED	(CAS No) 37680-65-2 (EC Index No) 602-039-00-4	0.00014	R33
2,2',3,5'-TETRACB UNLABELED	(CAS No) 41464-39-5	0.00014	R33
2,2',5,5'-TETRACB UNLABELED	(CAS No) 35693-99-3 (EC Index No) 602-039-00-4	0.00014	Xn; R22 N; R50/53
2,3',4,4',5-PENTACB UNLABELED	(CAS No) 31508-00-6 (EC No) 215-648-1 (EC Index No) 602-039-00-4	0.00014	Xn; R22
2,3',4',5-TETRACB UNLABELED	(CAS No) 32598-11-1	0.00014	R33
2,2',4,5,5'-PENTACB UNLABELED	(CAS No) 37680-73-2	0.00014	R33
2,3,3',4',6-PENTACB UNLABELED	(CAS No) 38380-03-9	0.00014	R33
2,2',3,4',5',6-HEXACB UNLABELED	(CAS No) 38380-04-0	0.00014	R33
2,2',4,4',5,5'-HEXACB UNLABELED	(CAS No) 35065-27-1 (EC No) 215-648-1	0.00014	R33
2,2',3,4,4',5'-HEXACB UNLABELED	(CAS No) 35065-28-2	0.00014	N; R50/53 R33
2,2',3,4,4',5,5'-HEPTACB UNLABELED	(CAS No) 35065-29-3	0.00014	R33
2,2',3,4',5,5',6-HEPTACB UNLABELED	(CAS No) 52663-68-0	0.00014	R33
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ISOOCTANE UNLABELED	(CAS No) 540-84-1 (EC No) 208-759-1 (EC Index No) 601-009-00-8 (REACH-no) 01-2119457965-22	99.99812	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,4,4'-TRICB UNLABELED	(CAS No) 7012-37-5 (EC No) 230-293-2	0.00014	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',5-TRICB UNLABELED	(CAS No) 37680-65-2 (EC Index No) 602-039-00-4	0.00014	STOT RE 2, H373 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410
2,2',3,5'-TETRACB UNLABELED	(CAS No) 41464-39-5	0.00014	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',5,5'-TETRACB UNLABELED	(CAS No) 35693-99-3 (EC Index No) 602-039-00-4	0.00014	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3',4,4',5-PENTACB UNLABELED	(CAS No) 31508-00-6 (EC No) 215-648-1 (EC Index No) 602-039-00-4	0.00014	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3',4',5-TETRACB UNLABELED	(CAS No) 32598-11-1	0.00014	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',4,5,5'-PENTACB UNLABELED	(CAS No) 37680-73-2	0.00014	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2,3,3',4',6-PENTACB UNLABELED	(CAS No) 38380-03-9	0.00014	STOT RE 2, H373 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410
2,2',3,4',5',6-HEXACB UNLABELED	(CAS No) 38380-04-0	0.00014	STOT RE 2, H373 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410
2,2',4,4',5,5'-HEXACB UNLABELED	(CAS No) 35065-27-1 (EC No) 215-648-1	0.00014	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',3,4,4',5'-HEXACB UNLABELED	(CAS No) 35065-28-2	0.00014	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',3,4,4',5,5'-HEPTACB UNLABELED	(CAS No) 35065-29-3	0.00014	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',3,4',5,5',6-HEPTACB UNLABELED	(CAS No) 52663-68-0	0.00014	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Name	Product identifier	%	GHS-US classification
ISOOCTANE UNLABELED	(CAS No) 540-84-1	99.99812	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,4,4'-TRICB UNLABELED	(CAS No) 7012-37-5	0.00014	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',5-TRICB UNLABELED	(CAS No) 37680-65-2	0.00014	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',3,5'-TETRACB UNLABELED	(CAS No) 41464-39-5	0.00014	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',5,5'-TETRACB UNLABELED	(CAS No) 35693-99-3	0.00014	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3',4,4',5-PENTACB UNLABELED	(CAS No) 31508-00-6	0.00014	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3',4',5-TETRACB UNLABELED	(CAS No) 32598-11-1	0.00014	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',4,5,5'-PENTACB UNLABELED	(CAS No) 37680-73-2	0.00014	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,3,3',4',6-PENTACB UNLABELED	(CAS No) 38380-03-9	0.00014	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',3,4',5',6-HEXACB UNLABELED	(CAS No) 38380-04-0	0.00014	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',4,4',5,5'-HEXACB UNLABELED	(CAS No) 35065-27-1	0.00014	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',3,4,4',5'-HEXACB UNLABELED	(CAS No) 35065-28-2	0.00014	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',3,4,4',5,5'-HEPTACB UNLABELED	(CAS No) 35065-29-3	0.00014	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',3,4',5,5',6-HEPTACB UNLABELED	(CAS No) 52663-68-0	0.00014	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice.

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First-aid measures after inhalation

: Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. 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

Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Wash with plenty of soap and water, Get immediate medical advice/attention. Get medical advice/attention. Specific treatment (see Hazard pictograms (CLP) on this label).

First-aid measures after eye contact

Rinse eyes with water as a precaution.

First-aid measures after ingestion

Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician immediately.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation

: May cause drowsiness or dizziness.

Symptoms/injuries after skin contact Causes skin irritation. Symptoms/injuries after eye contact : May cause severe irritation.

: May be fatal if swallowed and enters airways. Symptoms/injuries after ingestion

Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide. Flood fire area with water from a distance.

Special hazards arising from the substance or mixture

Fire hazard

: Highly flammable liquid and vapor.

Explosion hazard

: May form flammable/explosive vapor-air mixture.

Reactivity

: Highly flammable liquid and vapor.

Advice for firefighters

Firefighting instructions

: Wear a self contained breathing apparatus.

Protection during firefighting

: Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing

apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

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

For non-emergency personnel 6.1.1.

Emergency procedures

Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing vapors, mist, gas. Avoid contact with skin and eyes. Use personal protective equipment as required. Remove all sources of ignition. Ensure adequate air ventilation. Provide adequate ventilation to minimize dust and/or vapor concentrations.

6.1.2. For emergency responders

Protective equipment

: Avoid breathing Dust, vapors.

Environmental precautions

Stop leak, if possible without risk. Prevent entry to sewers and public waters. Avoid release to the environment.

Methods and material for containment and cleaning up

For containment

Collect spillage. Vacuum with an equipment that avoids ignition risk. This material and its container must be disposed of in a safe way, and as per local legislation.

Methods for cleaning up

Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Reference to other sections

No additional information available

SECTION 7: Handling and storage

Precautions for safe handling

Additional hazards when processed

: Handle empty containers with care because residual vapors are flammable.

Precautions for safe handling

No open flames. No smoking. Use only non-sparking tools. Avoid breathing dust, fume, gas, mist, spray, vapors. Use only outdoors or in a well-ventilated area.

Hygiene measures : Wash hands, forearms and face thoroughly after handling.

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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 Lighting equipment, ventilating

equipment.

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

Incompatible materials : Heat sources

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

RAPID PCB SCREENING NATIVE PAR SOLUTION UNLABELED				
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		
ISOOCTANE UNLABELED (540-84-1)				
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	300.00000000 ppm Basis: USA. ACGIH Threshold Limit Values (TLV)		
Italy - Portugal - USA ACGIH	Remark (ACGIH)	Upper Respiratory Tract irritation		
2,2',5,5'-TETRACB UNLABELED (35693-99-3)				
USA OSHA	OSHA PEL (TWA) (mg/m³)	0.5 mg/m³		

8.2. Exposure controls

Appropriate engineering controls : Wash hands and other exposed areas with mild soap and water before eating, drinking or

smoking and when leaving work.

Personal protective equipment : Gloves. Protective clothing. Protective goggles. Self-contained breathing apparatus.









Materials for protective clothing : Wear suitable protective clothing and gloves.

Hand protection : Wear suitable protective clothing and gloves.

Eye protection : Wear eye protection. Chemical goggles or face shield with safety glasses. Safety glasses.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is

recommended. Wear respiratory protection.

Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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

Physical state : Liquid

Appearance : Liquid

Molecular mass : 114.23 g/mol

Color : Colorless

Odor : No data availar

Odor : No data available
Odor threshold : No data available
pH : No data available
Relative evaporation rate (butyl acetate=1) : No data available
Melting point : -107 °C (-161 °F)
Freezing point : No data available

Boiling point : 98 - 99 °C (208 - 210 °F) at 1,013 hPa (760 mmHg)

Flash point : -12 °C (10 °F) - closed cup

Auto-ignition temperature : No data available Decomposition temperature : No data available

Flammability (solid, gas) : Highly flammable liquid and vapor

Vapor pressure : 55 hPa (41 mmHg) at 21 °C (70 °F); 117 hPa (88 mmHg) at 37.8 °C (100.04 °F)

Relative vapor density at 20 °C : 3.94 - (Air = 1.0)

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Relative density : No data available Specific gravity / density : 0.69 g/ml at 20 °C (68 °F)

Solubility : Water: insoluble

Log Pow : 4.6

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 : 1 - 6 % (V)

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Highly flammable liquid and vapor.

10.2. Chemical stability

See storage and expiration date on CoA.

10.3. Possibility of hazardous reactions

May form flammable/explosive vapor-air mixture.

10.4. Conditions to avoid

Open flame. Direct sunlight.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO2).

LD50 dermal rabbit

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

RAPID PCB SCREENING NATIVE PAR SOLUTION UNLABELED		
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)		
ISOOCTANE UNLABELED (540-84-1)		
LD50 oral rat > 5000 mg/kg (OECD Test Guideline 401)		

> 2000 mg/kg (OECD Test Guideline 402)

 LC50 inhalation rat (mg/l)
 > 33.52 mg/l/4h (OECD Test Guideline 403)

 Skin corrosion/irritation
 : Skin. Rabbit. Result: Irritating to skin. (OECD 404 method)

 Serious eye damage/irritation
 : Eyes. Rabbit. Result: No eye irritation. (OECD 405 method)

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Rat - Unscheduled DNA synthesis

Carcinogenicity : Not classified Reproductive toxicity : Not available

Specific target organ toxicity – single exposure : May cause drowsiness or dizziness

Specific target organ toxicity – repeated : Health hazard - Aspiration hazard

exposure

Aspiration hazard : Aspiration hazard

Potential Adverse human health effects and : This information

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. Affects the liver.

Symptoms/injuries after inhalation : May cause drowsiness or dizziness.

Symptoms/injuries after skin contact : Causes skin irritation.

Symptoms/injuries after eye contact : May cause severe irritation.

Symptoms/injuries after ingestion : May be fatal if swallowed and enters airways.

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SECTION 12: Ecological information

Toxicity

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

2,4,4'-TRICB UNLABELED (7012-37-5)			
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			
2,2',5-TRICB UNLABELED (37680-65-2)			
LC50 fish 1 0.034 mg/l Pimephales promelas (fathead minnow) - 96 h			
2,2',5,5'-TETRACB UNLABELED (35693-99-3)			
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			
NOEC (chronic)	0.1 mg/l Oncorhynchus mykiss (rainbow trout) - 7 d		

Persistence and degradability 12.2.

RAPID PCB SCREENING NATIVE PAR SOLUTION UNLABELED		
Persistence and degradability May cause long-term adverse effects in the environment.		
2,2',3,4,4',5,5'-HEPTACB UNLABELED (35065-29-3)		
2,2',3,4,4',5,5'-HEPTACB UNLABELED (350	65-29-3)	

12.3. **Bioaccumulative potential**

	RAPID PCB SCREENING NATIVE PAR SOLUTION UNLABELED			
	Log Pow	4.6		
- 1				

ISOOCTANE UNLABELED (540-84-1)

Log Pow 4.6

2,2',5-TRICB UNLABELED (37680-65-2)

Log Pow 5.56

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

Log Pow 7.12

Mobility in soil

No additional information available

Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

: Very toxic to aquatic life with long lasting effects. Avoid release to the environment. Disposal Other adverse effects must be done according to official regulations.

SECTION 13: Disposal considerations

Waste treatment methods

Regional legislation (waste) : Waste materials should be disposed of under conditions which meet Federal, State, and Local

environmental control regulations.

Product/Packaging disposal recommendations: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed

professional waste disposal service to dispose of this material.

Ecology - waste materials : Dispose of as unused product.

SECTION 14: Transport information

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

UN number 14.1.

UN-No.(DOT) : 1262 DOT NA no. UN1262

UN proper shipping name

Proper Shipping Name (DOT)

Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

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Hazard labels (DOT) : 3 - Flammable liquid



Packing group (DOT) : II - Medium Danger

DOT Special Provisions (49 CFR 172.102) : IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite

(31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.

T4 - 2.65 178.274(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) : 202
DOT Packaging Bulk (49 CFR 173.xxx) : 242

14.3. Additional information

Emergency Response Guide (ERG) Number : 128

Other information : No supplementary information available.

Overland transport

Packing group (ADR) : II

Class (ADR) : 3 - Flammable liquid

Hazard identification number (Kemler No.) : 33 Classification code (ADR) : F1

Hazard labels (ADR) : 3 - Flammable liquids



Orange plates



Tunnel restriction code (ADR) : D/E
Limited quantities (ADR) 11
EAC : 3YE
Excepted quantities (ADR) : E2

Transport by sea

DOT Vessel Stowage Location : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a

passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this

section is exceeded.

MFAG-No : 128

Air transport

DOT Quantity Limitations Passenger aircraft/rail : 5 L

(49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : 60 L

CFR 175.75)

Civil Aeronautics Law : Flammable liquids

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14.4. Environmental hazards

Dangerous for the environment

Marine pollutant



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					
RAPID PCB SCREENING NATIVE PAR SOLUT	RAPID PCB SCREENING NATIVE PAR SOLUTION UNLABELED				
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporing requirements of the United States SARA Section 302.				
SARA Section 311/312 Hazard Classes	Fire hazard Delayed (chronic) health hazard				
SARA Section 313 - Emission Reporting	Not subject to reporing requirements of the United States SARA Section 313.				
ISOOCTANE UNLABELED (540-84-1)					
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporing requirements of the United States SARA Section 302.				
SARA Section 311/312 Hazard Classes	Fire hazard Delayed (chronic) health hazard				
SARA Section 313 - Emission Reporting	Not subject to reporing requirements of the United States SARA Section 313.				
2,4,4'-TRICB UNLABELED (7012-37-5)					
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.				
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard				
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.				
2,2',5-TRICB UNLABELED (37680-65-2)					
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.				
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard				
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.				
2,2',3,5'-TETRACB UNLABELED (41464-39-5)					
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.				
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.				
2,3',4',5-TETRACB UNLABELED (32598-11-1)					
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.				
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.				
2,2',5,5'-TETRACB UNLABELED (35693-99-3)					
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.				
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard				
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.				
2,2',4,5,5'-PENTACB UNLABELED (37680-73-2)					
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.				
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard				
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.				
2,3,3',4',6-PENTACB UNLABELED (38380-03-9					
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.				
2,3',4,4',5-PENTACB UNLABELED (31508-00-6					
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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2,3',4,4',5-PENTACB UNLABELED (31508-00-6)					
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.				
2,2',3,4',5',6-HEXACB UNLABELED (38380-04-0)					
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.				
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.				
2,2',3,4,4',5'-HEXACB UNLABELED (35065-28-	2)				
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.				
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard				
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.				
2,2',4,4',5,5'-HEXACB UNLABELED (35065-27-	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	Delayed (chronic) health hazard				
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.				
2,2',3,4,4',5,5'-HEPTACB UNLABELED (35065-29-3)					
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.				
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard				
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.				
2,2',3,4',5,5',6-HEPTACB UNLABELED (52663-	2,2',3,4',5,5',6-HEPTACB UNLABELED (52663-68-0)				
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.				
15.2. International regulations					

CANADA

RAPID PCB SCREENING NATIVE PAR SOLUTION UNLABELED

Listed on the Canadian DSL (Domestic Substances List)

15.2.1. National regulations

No additional information available

15.3. US State regulations

15.3. US State regulations					
RAPID PCB SCREENING NATIVE PAR SOLUTION UNLABELED					
U.S California - Propositi	on 65 - Carcinogens List	No			
U.S California - Proposition 65 - Developmental Toxicity		No	No		
U.S California - Propositi Toxicity - Female	on 65 - Reproductive	No			
U.S California - Propositi Toxicity - Male	on 65 - Reproductive	No	No		
State or local regulations		U.S Massachusetts - Right To Know List U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List			
ISOOCTANE UNLABELEI	D (540-84-1)				
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)	
No	No	No	No		
2,4,4'-TRICB UNLABELE	2.4.4'-TRICB UNLABELED (7012-37-5)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	
Yes	Yes	Yes	Yes		

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2,2',5-TRICB UNLABEL	-ED (37680-65-2)			
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity -	Reproductive Toxicity -	, ,
Ŭ	·	Female	Male	
Yes	Yes	Yes	Yes	
2 2' 3 5'-TETRACE LINI	_ABELED (41464-39-5)			
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity -	Reproductive Toxicity -	(10112)
Carolinogono Liot	Bovolopinoniai roxiony	Female	Male	
Yes	Yes	Yes	Yes	
2,3',4',5-TETRACB UNL	_ABELED (32598-11-1)			
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity -	Reproductive Toxicity -	` ′
		Female	Male	
Yes	Yes	Yes	Yes	
2,2',5,5'-TETRACB UNL	_ABELED (35693-99-3)			
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity -	Reproductive Toxicity -	
ŭ		Female	Male	
Yes	Yes	Yes	Yes	
2,2',4,5,5'-PENTACB U	NLABELED (37680-73-2)			
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity -	Reproductive Toxicity -	
-		Female	Male	
Yes	Yes	Yes	Yes	
	NLABELED (38380-03-9)			
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity -	Reproductive Toxicity -	
		Female	Male	
Yes	Yes	Yes	Yes	
2,3',4,4',5-PENTACB U	NLABELED (31508-00-6)			
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity -	Reproductive Toxicity -	\/
caremogene Liet	2 overepinionian volueny	Female	Male	
Yes	Yes	Yes	Yes	
2,2',3,4',5',6-HEXACB L	JNLABELED (38380-04-0)			
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity -	Reproductive Toxicity -	,
5		Female	Male	
Yes	Yes	Yes	Yes	
2,2',3,4,4',5'-HEXACB U	JNLABELED (35065-28-2)			
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity - Female	Reproductive Toxicity - Male	
Yes	Yes	Yes	Yes	
		162	169	
2,2',4,4',5,5'-HEXACB 	JNLABELED (35065-27-1) U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 -		Proposition 65 -	Proposition 65 -	
	Proposition 65 -			(NSRL)
Carcinogens List	Developmental Loxicity	Reproductive LOXICITY -		
Carcinogens List	Developmental Toxicity	Reproductive Toxicity - Female	Reproductive Toxicity - Male	(NOINE)

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2,2',4,4',5,5'-HEXACB	UNLABELED (35065-27-1)			
Yes	Yes	Yes	Yes	
2,2',3,4,4',5,5'-HEPTAC	B UNLABELED (35065-29-3)			
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	Yes	Yes	
2,2',3,4',5,5',6-HEPTAC	CB UNLABELED (52663-68-0)			
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	No	No	
ISOOCTANE UNLABE	LED (540-84-1)			

State or local regulations

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

2,4,4'-TRICB UNLABELED (7012-37-5)

State or local regulations

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

2,2',5-TRICB UNLABELED (37680-65-2)

State or local regulations

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

2,2',3,5'-TETRACB UNLABELED (41464-39-5)

State or local regulations

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

2,3',4',5-TETRACB UNLABELED (32598-11-1)

State or local regulations

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

2,2',5,5'-TETRACB UNLABELED (35693-99-3)

State or local regulations

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

2,2',4,5,5'-PENTACB UNLABELED (37680-73-2)

State or local regulations

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

2,3,3',4',6-PENTACB UNLABELED (38380-03-9)

State or local regulations

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

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

State or local regulations

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

2,2',3,4',5',6-HEXACB UNLABELED (38380-04-0)

State or local regulations

U.S. - Pennsylvania - RTK (Right to Know) List

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2,2',3,4',5',6-HEXACB UNLABELED (38380-04-0)

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

2,2',3,4,4',5'-HEXACB UNLABELED (35065-28-2)

State or local regulations

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

2,2',4,4',5,5'-HEXACB UNLABELED (35065-27-1)

State or local regulations

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

2,2',3,4,4',5,5'-HEPTACB UNLABELED (35065-29-3)

State or local regulations

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

2,2',3,4',5,5',6-HEPTACB UNLABELED (52663-68-0)

State or local regulations

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

SECTION 16: Other information

Other information

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

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

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		
Flam. Liq. 2	Flammable liquids Category 2		
Skin Irrit. 2	Skin corrosion/irritation Category 2		
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2		
STOT SE 3	Specific target organ toxicity (single exposure) Category 3		
H225	Highly flammable liquid and vapor		
H304	May be fatal if swallowed and enters airways		
H315	Causes skin irritation		
H336	May cause drowsiness or dizziness		
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		
R11	Highly flammable		
R22	Harmful if swallowed		
R33	Danger of cumulative effects		
R36/37/38	Irritating to eyes, respiratory system and skin		
R38	Irritating to skin		
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment		
R65	Harmful: may cause lung damage if swallowed		
R67	Vapors may cause drowsiness and dizziness		
F	Highly flammable		
N	Dangerous for the environment		
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.

2 0

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HMIS III 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

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