



1-BROMOPROPANE (METHYL-D3, 98%)

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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Version: 2.0

DLM-1241

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

1.1. Product identifier

Product form	: Substance
Substance name	: 1-BROMOPROPANE (METHYL-D3, 98%)
EC Index-No.	: 602-019-00-5 (Unlabeled)
EC-No.	: 203-445-0 (Unlabeled)
CAS-No.	: 106-94-5 (Unlabeled)
Product code	: DLM-1241
Formula	: CD ₃ (CH ₂) ₂ Br
Synonyms	: Propyl bromide

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 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
Eye Irrit. 2	H319
Carc. 2	H351
Repr. 1A	H360
STOT SE 3	H336
STOT SE 3	H335
STOT SE 2	H371
Aquatic Chronic 3	H412

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

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

F; R11
Muta.Cat.3; R68
R52/53
Repr.Cat.1; R60
Repr.Cat.1; R61
Xi; R36/37/38
R67
Carc.Cat.3; R40

Full text of R-phrases: see section 16

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GHS-US classification

Flam. Liq. 2	H225
Skin Irrit. 2	H315
Eye Irrit. 2	H319
Carc. 2	H351
Repr. 1A	H360
STOT SE 3	H336
STOT SE 3	H335
STOT SE 2	H371
Aquatic Chronic 3	H412

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

Hazard statements (CLP)

: H225 - Highly flammable liquid and vapour
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H351 - Suspected of causing cancer (in contact with skin, if inhaled, if swallowed, inhalation, oral)
H360 - May damage fertility. May damage the unborn child. (in contact with skin, if inhaled, if swallowed)
H371 - May cause damage to organs (liver, cardiovascular system) (in contact with skin, if inhaled, if swallowed)
H412 - Harmful 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
P260 - Do not breathe dust, fume, gas, mist, spray, vapors.
P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.

GHS-US labeling

Hazard pictograms (GHS-US)



Signal word (GHS-US)

: Danger

Hazard statements (GHS-US)

: H225 - Highly flammable liquid and vapour
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H351 - Suspected of causing cancer (Dermal, Inhalation, oral)
H360 - May damage fertility. May damage the unborn child. (Dermal, Inhalation, oral)
H371 - May cause damage to organs (liver, central nervous system) (Dermal, Inhalation, oral)
H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (GHS-US)

: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat, open flames, sparks. - No smoking.

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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.
P260 - Do not breathe dust, fume, gas, mist, vapors, spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 - If on skin: Wash with plenty of water
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P308+P313 - If exposed or concerned: Get medical advice/attention.
P312 - Call a doctor, a POISON CENTER if you feel unwell
P321 - Specific treatment (see Hazardous component(s) for labeling on this label)
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: 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, carbon dioxide (CO₂), dry extinguishing powder, dry sand to extinguish.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Name	Product identifier	%	Classification according to Directive 67/548/EEC
1-BROMOPROPANE (METHYL-D3, 98%)	(CAS-No.) 106-94-5 (Unlabeled) (EC-No.) 203-445-0 (Unlabeled) (EC Index-No.) 602-019-00-5 (Unlabeled)	100	F; R11 Muta.Cat.3; R68 R52/53 Repr.Cat.1; R60 Repr.Cat.1; R61 Xi; R36/37/38 R67 Carc.Cat.3; R40

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1-BROMOPROPANE (METHYL-D3, 98%)	(CAS-No.) 106-94-5 (Unlabeled) (EC-No.) 203-445-0 (Unlabeled) (EC Index-No.) 602-019-00-5 (Unlabeled)	100	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 2, H351 Repr. 1A, H360 STOT SE 3, H336 STOT SE 3, H335 STOT SE 2, H371 Aquatic Chronic 3, H412

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

Name	Product identifier	%	GHS-US classification
1-BROMOPROPANE (METHYL-D3, 98%) (Main constituent)	(CAS-No.) 106-94-5 (Unlabeled)	100	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 2, H351 Repr. 1A, H360 STOT SE 3, H336 STOT SE 3, H335 STOT SE 2, H371 Aquatic Chronic 3, H412

Full text of H-phrases: see section 16

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3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : If you feel unwell, seek medical advice (show the label where possible). Evacuate danger area.
- First-aid measures after inhalation : When symptoms occur: go into open air and ventilate suspected area. If not breathing, give artificial respiration. Get medical advice/attention.
- First-aid measures after skin contact : Wash with plenty of soap and water. Get immediate medical advice/attention.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes.
- First-aid measures after ingestion : Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.

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

- Symptoms/effects : May cause damage to organs (liver, central nervous system) (in contact with skin, if inhaled, if swallowed). May cause drowsiness or dizziness.
- Symptoms/effects after inhalation : May be harmful if inhaled. May cause respiratory irritation.
- Symptoms/effects after skin contact : Causes skin irritation.
- Symptoms/effects after eye contact : Causes serious eye irritation.
- Symptoms/effects after ingestion : May be harmful if swallowed.

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 : Water spray. Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂).

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Fight fire with normal precautions from a reasonable distance. Wear a self contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Wear recommended personal protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Avoid breathing vapors, mist, gas. Avoid dust formation. Ensure adequate air ventilation. Remove all sources of ignition. Evacuate area. Special attention should be given to low areas/pits where flammable vapors can accumulate.

6.1.2. For emergency responders

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

6.2. Environmental precautions

Prevent entry to sewers and public waters. Do not allow to enter drains or water courses. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- For containment : Clean up any spills as soon as possible, using an absorbent material to collect it. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal.
- Methods for cleaning up : This material and its container must be disposed of in a safe way, and as per local legislation.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Provide adequate ventilation to minimize dust and/or vapor concentrations.
- Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety practice.

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7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Store in a well-ventilated place. Keep container tightly closed.
Storage conditions : Store at room temperature away from light and moisture.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

1-BROMOPROPANE (METHYL-D3, 98%) (106-94-5 (Unlabeled))		
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	0.10000000 ppm USA. ACGIH Threshold Limit Values (TLV)
Italy - Portugal - USA ACGIH	Remark (ACGIH)	Developmental and reproductive toxicity (male & female). Central Nervous System impairment. Hematologic effects. Peripheral neuropathy. Confirmed animal carcinogen with unknown relevance to humans.
USA OSHA	OSHA PEL (STEL) (mg/m ³)	25 mg/m ³ California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	OSHA PEL (STEL) (ppm)	5 ppm California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	Remark (OSHA)	Skin

8.2. Exposure controls

Appropriate engineering controls : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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



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

Hand protection : Wear suitable protective clothing and gloves.

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

Skin and body protection : Wear suitable protective clothing, gloves and eye/face protection.

Respiratory protection : In case of inadequate ventilation wear respiratory protection. Approved supplied air respirator.

Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Clear, Liquid
Molecular mass : 126.01 g/mol (Labeled)
Color : Light brown
Odor : No data available
Odor threshold : No data available
pH : No data available
Relative evaporation rate (butyl acetate=1) : No data available
Melting point : -110 °C (-166 °F) - lit.
Freezing point : No data available
Boiling point : 71 °C (160 °F) - lit.
Flash point : 22 °C (72 °F) - closed cup
Auto-ignition temperature : 490 °C (914 °F)
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapor pressure : No data available
Relative vapor density at 20 °C : 4.25 - (Air = 1.0)
Relative density : No data available
Specific gravity / density : 1.354 g/cm³ at 25 °C (77 °F)

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Solubility	: Water: 2.45 g/l at 20 °C (68 °F) - soluble
Log Pow	: 2.1
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	: 4.6 vol % (V)

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable if stored under recommended conditions.

10.3. Possibility of hazardous reactions

Vapors may form explosive mixture with air.

10.4. Conditions to avoid

Keep away from heat, sparks and flame.

10.5. Incompatible materials

Strong oxidizing agents. Strong bases.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO₂). Hydrogen bromide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

1-BROMOPROPANE (METHYL-D3, 98%) (106-94-5 (Unlabeled))	
LD50 oral rat	4260 mg/kg male
LD50 dermal rabbit	135000 mg/kg male and female - (OECD Test Guideline 402)
LC50 inhalation rat (ppm)	14374 ppm/4h male and female - (OECD Test Guideline 403)
ATE CLP (oral)	4260.000 mg/kg body weight
ATE CLP (dermal)	135000.000 mg/kg body weight
ATE CLP (gases)	14374.000 ppmV/4h
Additional information	LD50. intraperitoneal. rat. 2,950 mg/kg

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Eyes - rabbit Result: Irritating to eyes.
Respiratory or skin sensitization	: Maximisation Test - Guinea pig Result: Does not cause skin sensitization.
Germ cell mutagenicity	: Ames test. <i>S. typhimurium</i> result: negative. OECD Test Guideline 474. Mouse - male and female. Result: Negative
Carcinogenicity	: Skin and Appendages: Other: Tumors. Carcinogenicity - Rat - male and female - Inhalation. lungs. Thorax. respiratory tract
Reproductive toxicity	: Rat. Male and female. Inhalation. Vapors. Paternal Effects: Spermatogenesis (including genetic material, sperm morphology, motility, and count).
Specific target organ toxicity – single exposure	: May cause drowsiness or dizziness. May cause respiratory irritation. May cause damage to organs (liver, cardiovascular system) (in contact with skin, if inhaled, if swallowed).
Specific target organ toxicity – repeated exposure	: Inhalation. May cause damage to organs through prolonged or repeated exposure. liver. central nervous system

1-BROMOPROPANE (METHYL-D3, 98%) (106-94-5 (Unlabeled))	
NOAEC (inhalation, rat, vapour, 90 days)	< 2 mg/l/6h/day OECD Test Guideline 413
NOAEL, male, Inhalation, rat	0.63 mg/l OECD Test Guideline 413

Aspiration hazard : Not classified

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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. Eye irritation. Skin irritation. central nervous system. Headache. Dizziness. Loss of balance. Unconsciousness. Changes in the blood count. Toxic effects for reproduction. Liver injury may occur. Stomach - Irregularities - Based on Human Evidence.
Symptoms/effects after inhalation	: May be harmful if inhaled. May cause respiratory irritation.
Symptoms/effects after skin contact	: Causes skin irritation.
Symptoms/effects after eye contact	: Causes serious eye irritation.
Symptoms/effects after ingestion	: May be harmful if swallowed.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life.

1-BROMOPROPANE (METHYL-D3, 98%) (106-94-5 (Unlabeled))

LC50 fish 1	24.3 mg/l Oncorhynchus mykiss (rainbow trout) - 96 h - (OECD Test Guideline 203)
LC50 other aquatic organisms 1	270 mg/l Sludge Treatment - 5 min - Respiration inhibition EC50
EC50 Daphnia 1	99.3 mg/l Daphnia magna (Water flea) - 48 h - (OECD Test Guideline 202)
LC50 fish 2	67.3 mg/l Pimephales promelas (fathead minnow) - 96 h
NOEC chronic algae	12.4 mg/l Pseudokirchneriella subcapitata - 96 h - (OECD Test Guideline 201)

12.2. Persistence and degradability

1-BROMOPROPANE (METHYL-D3, 98%) (106-94-5 (Unlabeled))

Persistence and degradability	Aerobic - exposure time: 28 d. Result: 19.2% - Not readily biodegradable. (OECD 301D method).
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12.3. Bioaccumulative potential

1-BROMOPROPANE (METHYL-D3, 98%) (106-94-5 (Unlabeled))

Log Pow	2.1
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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 : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

SECTION 14: Transport information

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

14.1. UN number

UN-No.(DOT)	: 2344
DOT NA no.	UN2344

14.2. UN proper shipping name

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



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Packing group (DOT)	: II - Medium Danger
DOT Special Provisions (49 CFR 172.102)	: 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

14.3. Additional information

Emergency Response Guide (ERG) Number	: 129
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	: 2YE
Excepted quantities (ADR)	: E2

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	: 129

Air transport

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

14.4. Environmental hazards

Other information	: No supplementary information available.
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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

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SECTION 15: Regulatory information

15.1. US Federal regulations

1-BROMOPROPANE (METHYL-D3, 98%) (106-94-5 (Unlabeled))	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard Fire hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.

15.2. International regulations

CANADA

1-BROMOPROPANE (METHYL-D3, 98%) (106-94-5 (Unlabeled))
Listed on the Canadian DSL (Domestic Substances List)

15.2.1. National regulations

No additional information available

15.3. US State regulations

1-BROMOPROPANE (METHYL-D3, 98%)(106-94-5 (Unlabeled))	
U.S. - California - Proposition 65 - Carcinogens List	Yes
U.S. - California - Proposition 65 - Developmental Toxicity	Yes
U.S. - California - Proposition 65 - Reproductive Toxicity - Female	Yes
U.S. - California - Proposition 65 - Reproductive Toxicity - Male	Yes
State or local regulations	U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Massachusetts - Right To Know 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 Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Carc. 2	Carcinogenicity Category 2
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Flam. Liq. 2	Flammable liquids Category 2
Repr. 1A	Reproductive toxicity Category 1A
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 2	Specific target organ toxicity (single exposure) Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapour
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H351	Suspected of causing cancer
H360	May damage fertility or the unborn child
H371	May cause damage to organs
H412	Harmful to aquatic life with long lasting effects
R11	Highly flammable
R36/37/38	Irritating to eyes, respiratory system and skin
R40	Limited evidence of a carcinogenic effect

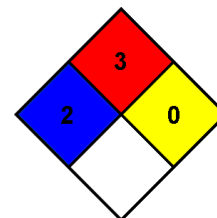
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R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R60	May impair fertility
R61	May cause harm to the unborn child
R67	Vapors may cause drowsiness and dizziness
R68	Possible risk of irreversible effects
F	Highly flammable
Xi	Irritant

- 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 Substance 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