

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: 03/01/2011 Revision date: 08/11/2017 Supersedes: 05/03/2012 Version: 3.0

DLM-195

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

1.1. Product identifier

Product form : Substance

Substance name : 1,2-DIBROMOETHANE-D4 (D, 99%)

EC Index No : 602-010-00-6 (Unlabeled) EC No : 245-102-8 (Unlabeled)

 CAS No
 : 22581-63-1

 Product code
 : DLM-195

 Formula
 : Br(CD2)2Br

Synonyms : EDB / Ethylene dibromide

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]

Acute Tox. 3 (Oral) H301
Acute Tox. 3 (Dermal) H311
Acute Tox. 3 (Inhalation) H331
Skin Irrit. 2 H315
Eye Irrit. 2 H319
Carc. 1A H350
STOT SE 3 H335
Aquatic Chronic 2 H411

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

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

Carc.Cat.1; R45 Carc.Cat.1; R49 N; R51/53 T; R23/24/25 Xi; R36/37/38

Full text of R-phrases: see section 16

GHS-US classification

Acute Tox. 3 (Oral) H301 Acute Tox. 3 (Dermal) H311 Acute Tox. 3 (Inhalation) H331 Skin Irrit. 2 H315

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Eye Irrit. 2 H319
Carc. 1A H350
STOT SE 3 H335
Aquatic Acute 2 H401
Aquatic Chronic 2 H411

Full text of H statements: see section 16

Adverse physicochemical, human health and environmental effects

Eyes. kidneys. liver. lungs.

2.2. Label elements

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

Hazard pictograms (CLP)







Signal word (CLP) : Danger

Hazard statements (CLP) : H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled

H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation

H350 - May cause cancer (if inhaled, if swallowed, in contact with skin)

H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (CLP)

: P261 - Avoid breathing 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

P273 - Avoid release to the environment

P280 - Wear protective clothing, protective gloves

P301+P310 - IF SWALLOWED: Immediately call a doctor, a POISON CENTER

P302+P352 - IF ON SKIN: Wash with plenty of soap and water

GHS-US labeling

Signal word (GHS-US)

Hazard pictograms (GHS-US)







: Danger

Hazard statements (GHS-US) : H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled

H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation

H350 - May cause cancer (Dermal, Inhalation, oral) H411 - Toxic 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

P261 - Avoid breathing 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

P273 - Avoid release to the environment

P280 - Wear protective clothing, protective gloves

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

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

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

P311 - Call a doctor, a POISON CENTER

P312 - Call a doctor, a POISON CENTER if you feel unwell

P321 - Specific treatment (see Hazardous component(s) for labeling on this label)

P322 - Specific treatment (see Hazard pictograms (CLP) on this label)

P330 - Rinse mouth

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P332+P313 - If skin irritation occurs: Get medical advice/attention

P337+P313 - If eye irritation persists: Get medical advice/attention

P361+P364 - Take off immediately all contaminated clothing and wash it before reuse

P362+P364 - Take off contaminated clothing and wash it before reuse

P391 - Collect spillage

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

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
1,2-DIBROMOETHANE-D4 (D, 99%)	(CAS No) 22581-63-1 (EC No) 245-102-8 (Unlabeled) (EC Index No) 602-010-00-6 (Unlabeled)	100	Carc.Cat.1; R45 Carc.Cat.1; R49 N; R51/53 T; R23/24/25 Xi; R36/37/38
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1,2-DIBROMOETHANE-D4 (D, 99%)	(CAS No) 22581-63-1 (EC No) 245-102-8 (Unlabeled) (EC Index No) 602-010-00-6 (Unlabeled)	100	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 1A, H350 STOT SE 3, H335 Aquatic Chronic 2, H411

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

Name	Product identifier	%	GHS-US classification
1,2-DIBROMOETHANE-D4 (D, 99%) (Main constituent)	(CAS No) 22581-63-1	100	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 1A, H350 STOT SE 3, H335 Aquatic Acute 2, H401 Aquatic Chronic 2, H411

Full text of H-phrases: see section 16

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general
First-aid measures after inhalation

- : If you feel unwell, seek medical advice (show the label where possible). Evacuate danger area.
- : Remove victim to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact

: Immediately call a poison center or doctor/physician. Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Specific measures (see Hazard pictograms (CLP) on this label). Wash contaminated clothing before reuse. If skin irritation occurs: Gently 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). Gently wash with plenty of soap and water.

First-aid measures after eye contact

: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.

First-aid measures after ingestion

: Rinse mouth. Immediately call a poison center or doctor/physician. Specific treatment (see Hazard pictograms (CLP) on this label).

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

Symptoms/injuries after inhalation

- : Toxic if inhaled. May cause cancer by inhalation. May cause respiratory irritation.
- Symptoms/injuries after skin contact
- : Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin. Causes skin irritation.

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Symptoms/injuries after eye contact

: Causes serious eye irritation.

Symptoms/injuries after ingestion

Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard.

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 chemical powder, alcohol-resistant foam, carbon dioxide (CO2).

Special hazards arising from the substance or mixture

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

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

Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures Avoid breathing vapors, mist, gas. Wear respiratory protection. Ensure adequate air ventilation.

Evacuate unnecessary personnel.

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.

Methods and material for containment and cleaning up

For containment : Collect spillage. 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.

Dispose of materials or solid residues at an authorized site. Other information

Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been

read and understood.

Hygiene measures Do not eat, drink or smoke when using this product. Wash hands, forearms and face thoroughly

after handling.

Conditions for safe storage, including any incompatibilities

Technical measures : Store in a well-ventilated place. Keep container tightly closed.

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

Specific end use(s) 7.3.

No additional information available

SECTION 8: Exposure controls/personal protection

Control parameters 8.1.

1,2-DIBROMOETHANE-D4 (D, 99%) (22581-63-1)		
Italy - Portugal - USA ACGIH	Remark (ACGIH)	Confirmed animal carcinogen with unknown relevance to humans. Danger of cutaneous absorption.
USA NIOSH	NIOSH REL (TWA) (ppm)	0.045 ppm
USA NIOSH	NIOSH REL (ceiling) (ppm)	0.13 ppm

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1,2-DIBROMOETHANE-D4 (D, 99%) (22581-63-1)		
USA NIOSH	Remark (NIOSH)	USA. NIOSH Recommended Exposure Limits. Potential Occupational Carcinogen. See Appendix A - 15 minute ceiling value.
USA OSHA	OSHA PEL (TWA) (ppm)	20 ppm
USA OSHA	OSHA PEL (Ceiling) (ppm)	30 ppm
USA OSHA	Remark (OSHA)	Peak: 50 ppm USA. Occupational Exposure Limits (OSHA) - Table Z-2 Z37.31-1970.

Exposure controls

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

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.

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

: Avoid release to the environment. Environmental exposure controls

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state : Liquid Appearance : Liquid

Molecular mass : 191.89 g/mol (Labeled)

Color : Colorless.

: No data available Odor Odor threshold No data available : No data available pΗ Relative evaporation rate (butyl acetate=1) : No data available : 8 - 11 °C (46 - 52 °F) - lit. Melting point

Freezing point : No data available

Boiling point : 131 - 132 (268 - 270 °F) - lit.

Flash point : No data available : No data available Auto-ignition temperature Decomposition temperature : No data available Flammability (solid, gas) : No data available

Vapor pressure : 72 hPa (54 mmHg) at 55 °C (131 °F)

: No data available Relative vapor density at 20 °C Relative density : No data available

Specific gravity / density : 2.18 g/ml at 25 °C (77 °F)

Solubility : No data available Log Pow : No data available No data available Log Kow Viscosity, kinematic : No data available Viscosity, dynamic : No data available : No data available Explosive properties Oxidizing properties : No data available : No data available **Explosion limits**

Other information

No additional information available

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SECTION 10: Stability and reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. **Chemical stability**

Stable if stored under recommended conditions.

Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

Conditions to avoid

Light sensitive.

Incompatible materials 10.5.

Alkali metals. Magnesium. Oxidizing agent.

Hazardous decomposition products

Carbon oxides (CO, CO2). Hydrogen bromide gas.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity : Oral: Toxic if swallowed. Dermal: Toxic in contact with skin. Inhalation: Toxic if inhaled.

1,2-DIBROMOETHANE-D4 (D, 99%) (22581-63-1)	
LD50 oral rat	140 mg/kg male and female - (OECD 401 method)
LD50 oral	55 mg/kg Rabbit
LD50 dermal rabbit	300 mg/kg Remarks: Nutritional and Gross Metabolic: Changes in: Body temperature decrease. Extremely corrosive and destructive to tissue.
ATE CLP (oral)	140.000 mg/kg body weight
ATE CLP (dermal)	300.000 mg/kg body weight
ATE CLP (gases)	700.000 ppmV/4h
ATE CLP (vapors)	3.000 mg/l/4h
ATE CLP (dust, mist)	0.500 mg/l/4h

: Causes skin irritation. Skin corrosion/irritation

> Skin Rabbit

Severe skin irritant 336 Hours

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitization Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

Germ cell mutagenicity : Mouse

Male.

Result: Negative

(OECD 478 method).

Carcinogenicity Possibly human carcinogenic. Reasonably anticipated to be Human Carcinogen. This product

is or contains a component that has been reported to be possibly carcinogenic based on its

IARC, ACGIH, NTP, or EPA classification.

Reproductive toxicity : Not classified

Specific target organ toxicity - single exposure : May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

: Not classified

Aspiration hazard : Not classified

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. Burning sensation. Coughing. Gastrointestinal complaints. Headache. Nausea. Shortness of breath. Wheezing. Laryngitis.

IARC group

Symptoms/injuries after inhalation Toxic if inhaled. May cause cancer by inhalation. May cause respiratory irritation.

Symptoms/injuries after skin contact Repeated exposure to this material can result in absorption through skin causing significant

health hazard. Toxic in contact with skin. Causes skin irritation.

Symptoms/injuries after eye contact Causes serious eve irritation.

: Toxic if swallowed. Swallowing a small quantity of this material will result in serious health Symptoms/injuries after ingestion

hazard.

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SECTION 12: Ecological information

12.1. Toxicity

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

1,2-DIBROMOETHANE-D4 (D, 99%) (22581-63-1)		
LC50 fish 1	32.1 mg/l Oryzias latipes - 96 h	
EC50 Daphnia 1	11.61 mg/l Immobilization - Daphnia magna (water flea) - 48 h (OECD method 202)	
LC50 fish 2	1.13 mg/l static test - Oncorhynchus mykiss (rainbow trout) - 96 h (OECD method 203)	
ErC50 (algae)	6.87 mg/l Growth inhibition - Pseudokirchneriella subcapitata (green algae) - 72 h (OECD method 201)	

12.2. Persistence and degradability

1,2-DIBROMOETHANE-D4 (D, 99%) (22581-63-1)	
Persistence and degradability	May cause long-term adverse effects in the environment. Aerobic - exposure time: 28 d.
Biodegradation	4.2 % Not readily biodegradable. (OECD 301D method)

12.3. Bioaccumulative potential

No additional information available

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 : Environmental precautions. Toxic to aquatic life with long lasting 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.

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) : 1605 DOT NA no. UN1605

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Ethylene dibromide

Class (DOT) : 6.1 - Class 6.1 - Poisonous materials 49 CFR 173.132

Hazard labels (DOT) : 6.1 - Poison inhalation hazard



Packing group (DOT) : I - Great Danger

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DOT Special Provisions (49 CFR 172.102)

: 2 - This material is poisonous by inhalation (see 171.8 of this subchapter) in Hazard Zone B (see 173.116(a) or 173.133(a) of this subchapter), and must be described as an inhalation hazard under the provisions of this subchapter. B9 - Bottom outlets are not authorized.

B14 - Each bulk packaging, except a tank car or a multi-unit-tank car tank, must be insulated with an insulating material so that the overall thermal conductance at 15.5 C (60 F) is no more than 1.5333 kilojoules per hour per square meter per degree Celsius (0.075 Btu per hour per square foot per degree Fahrenheit) temperature differential. Insulating materials must not

promote corrosion to steel when wet.

B32 - MC 312, MC 330, MC 331, DOT 412 cargo tanks and DOT 51 portable tanks must be made of stainless steel, except that steel other than stainless steel may be used in accordance with the provisions of 173.24b(b) of this subchapter. Thickness of stainless steel for tank shell and heads for cargo tanks and portable tanks must be the greater of 6.35 mm (0.250 inch) or the thickness required for a tank with a design pressure at least equal to 1.3 times the vapor pressure of the lading at 46 C (115 F). In addition, MC 312 and DOT 412 cargo tank motor vehicles must: a. Be ASME Code (U) stamped for 100% radiography of all pressure-retaining welds; b. Have accident damage protection which conforms with 178.3458 of this subchapter; c. Have a MAWP or design pressure of at least 87 psig; and d. Have a bolted man way cover. B77 - Other packaging are authorized when approved by the Associate Administrator.

T20 - 10 8 mm Prohibited 178.275(g)(3).

TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: tr is the maximum mean bulk temperature during transport, tf is the temperature in degrees celsius of the liquid during filling, and a is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling (tf) and the maximum mean bulk temperature during transportation (tr) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image) Where: d15 and d50 are the densities (in units of mass per unit volume) of the liquid at 15 C (59 F) and 50 C (122 F), respectively.

TP13 - Self-contained breathing apparatus must be provided when this hazardous material is transported by sea.

TP38 - Each portable tank must be insulated with an insulating material so that the overall thermal conductance at 15.5 C (60 F) is no more than 1.5333 kilojoules per hour per square meter per degree Celsius (0.075 Btu per hour per square foot per degree Fahrenheit) temperature differential. Insulating materials may not promote corrosion to steel when wet. TP45 - Each portable tank must be made of stainless steel, except that steel other than stainless steel may be used in accordance with the provisions of 173.24b(b) of this subchapter. Thickness of stainless steel for portable tank shells and heads must be the greater of 6.35 mm (0.250 inch) or the thickness required for a portable tank with a design pressure at least equal to 1.3 times the vapor pressure of the hazardous material at 46 C (115 F).

DOT Packaging Exceptions (49 CFR 173.xxx) : None DOT Packaging Non Bulk (49 CFR 173.xxx) : 227 DOT Packaging Bulk (49 CFR 173.xxx) : 244

Additional information

Emergency Response Guide (ERG) Number : 154

Other information : No supplementary information available.

Overland transport

Packing group (ADR)

Class (ADR) : 6.1 - Toxic substances

Hazard identification number (Kemler No.) : 66 Classification code (ADR) : T1

Hazard labels (ADR) : 6.1 - Toxic substances



Orange plates

1605

Tunnel restriction code (ADR) : C/D Limited quantities (ADR) 0 **EAC** : 2X **APP** : B

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Excepted quantities (ADR) : E0

Transport by sea

DOT Vessel Stowage Location : D - The material must be stowed "on deck only" 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, but the material is prohibited on passenger

vessels in which the limiting number of passengers is exceeded.

DOT Vessel Stowage Other : 40 - Stow "clear of living quarters"

MFAG-No : 154

Air transport

DOT Quantity Limitations Passenger aircraft/rail : Forbidden

(49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : Forbidden

CFR 175.75)

Civil Aeronautics Law : Toxic and infectious substances/Toxic substances

14.4. Environmental hazards

Dangerous for the environment

*

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

1,2-DIBROMOETHANE-D4 (D, 99%) (22581-63-1)	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.

15.2. International regulations

CANADA

1,2-DIBROMOETHANE-D4 (D, 99%) (22581-63-1)

Listed on the Canadian DSL (Domestic Substances List)

15.2.1. National regulations

No additional information available

15.3. US State regulations

1,2-DIBROMOETHANE-D4 (D, 99%)(22581-63-1)	
U.S California - Proposition 65 - Carcinogens List	Yes
U.S California - Proposition 65 - Developmental Toxicity	Yes
U.S California - Proposition 65 - Reproductive Toxicity - Female	No
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.

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

Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhalation) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Carc. 1A	Carcinogenicity Category 1A
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H301	Toxic if swallowed
H311	Toxic in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H331	Toxic if inhaled
H335	May cause respiratory irritation
H350	May cause cancer
H411	Toxic to aquatic life with long lasting effects
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed
R36/37/38	Irritating to eyes, respiratory system and skin
R45	May cause cancer
R49	May cause cancer by inhalation
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
Т	Toxic
Xi	Irritant

NFPA health hazard : 3 - Materials that, under emergency conditions, can cause

serious or permanent injury.

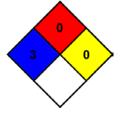
NFPA fire hazard : 0 - Materials that will not burn under typical dire conditions,

including intrinsically noncombustible materials such as

concrete, stone, and sand.

NFPA reactivity : 0 - Material that in themselves are normally stable, even

under fire conditions.



HMIS III Rating

Health : 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is

given

Flammability : 0 Minimal Hazard
Physical : 0 Minimal Hazard

CIL Multi-Solvent Mixture SDS

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

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