

# SAFETY DATA SHEET

according to the OSHA  
Hazard Communication Standard

Version 6.13  
Revision Date 07/09/2026  
Print Date 07/10/2026

## SECTION 1. IDENTIFICATION

### 1.1 Product identifiers

Product name : Chloroform-d

Product Number : 151858  
Brand : Aldrich  
CAS-No. : 865-49-6

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

Identified uses : Laboratory chemicals, Synthesis of substances

Restrictions on use : The product is being supplied under the TSCA R&D Exemption (40 CFR Section 720.36). It is the recipient's responsibility to comply with the requirements of the R&D exemption. The product may not be used for a non-exempt commercial purpose under TSCA unless appropriate consent is granted in writing by MilliporeSigma.

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

Company : Sigma-Aldrich Inc.  
3050 SPRUCE ST  
ST. LOUIS MO 63103  
UNITED STATES

Telephone : +1 314 771-5765  
Fax : +1 800 325-5052

### 1.4 Emergency telephone number

Emergency Phone # : 800-424-9300 CHEMTREC (USA) +1-703-  
527-3887 CHEMTREC (International) 24  
Hours/day; 7 Days/week

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## SECTION 2. HAZARDS IDENTIFICATION

**GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)**

**Hazards for the product as supplied**

Acute toxicity (Oral) : Category 4

|                                                                 |                                       |
|-----------------------------------------------------------------|---------------------------------------|
| Acute toxicity<br>(Inhalation)                                  | : Category 3                          |
| Skin irritation                                                 | : Category 2                          |
| Eye irritation                                                  | : Category 2A                         |
| Carcinogenicity                                                 | : Category 2                          |
| Reproductive toxicity                                           | : Category 2                          |
| Specific target organ<br>toxicity - single exposure             | : Category 3 (Central nervous system) |
| Specific target organ<br>toxicity - repeated<br>exposure (Oral) | : Category 1 (Liver, Kidney)          |
| Short-term (acute)<br>aquatic hazard                            | : Category 3                          |

#### Other hazards

None known.

#### GHS label elements

Hazard pictograms : 

Signal word : Danger

Hazard statements : H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H331 Toxic if inhaled.  
H336 May cause drowsiness or dizziness.  
H351 Suspected of causing cancer.  
H361 Suspected of damaging fertility or the unborn child.  
H372 Causes damage to organs (Liver, Kidney) through prolonged or repeated exposure if swallowed.  
H402 Harmful to aquatic life.

Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P260 Do not breathe mist or vapours.  
P264 Wash skin 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.

**Response:**

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P304 + P340 + P311 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor.  
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.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash before reuse.

**Storage:**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Substance

CAS-No. : 865-49-6

**Components**

| Chemical name             | CAS No./Unique ID | Concentration (% w/w) | Trade secret |
|---------------------------|-------------------|-----------------------|--------------|
| Chloroform-D1-Deuteration | 865-49-6*         | >= 90 - <= 100        | -            |

\* Indicates that the identifier is a CAS No.  
Actual concentration is withheld as a trade secret

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## SECTION 4. FIRST AID MEASURES

|                                                             |                                                                                                                                                          |
|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| General advice                                              | : First aiders need to protect themselves.<br>Show this safety data sheet to the doctor in attendance.                                                   |
| If inhaled                                                  | : After inhalation: fresh air. Immediately call in physician.<br>If breathing stops: immediately apply artificial respiration, if necessary also oxygen. |
| In case of skin contact                                     | : In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.<br>Consult a physician.                        |
| In case of eye contact                                      | : After eye contact: rinse out with plenty of water.<br>Call in ophthalmologist.<br>Remove contact lenses.                                               |
| If swallowed                                                | : After swallowing: immediately make victim drink water (two glasses at most).<br>Consult a physician.                                                   |
| Most important symptoms and effects, both acute and delayed | : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11                                    |
| Protection of first-aiders                                  | : For personal protection see section 8.                                                                                                                 |
| Notes to physician                                          | : No data available                                                                                                                                      |

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## SECTION 5. FIREFIGHTING MEASURES

|                                       |                                                                                                           |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media          | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable extinguishing media        | : For this substance/mixture no limitations of extinguishing agents are given.                            |
| Specific hazards during fire fighting | : Not combustible.<br><br>Ambient fire may liberate hazardous vapours.                                    |
| Hazardous combustion                  | : Carbon oxides                                                                                           |

products

Hydrogen chloride gas

Specific extinguishing methods : No data available

Further information : Suppress (knock down) gases/vapours/mists with a water spray jet.  
Prevent fire extinguishing water from contaminating surface water or the ground water system.

Special protective equipment for fire-fighters : Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Advice for non-emergency personnel:  
Do not breathe vapours, aerosols.  
Avoid substance contact.  
Ensure adequate ventilation.  
Evacuate the danger area, observe emergency procedures, consult an expert.  
Advice for emergency responders:  
For personal protection see section 8.

Environmental precautions : Do not let product enter drains.

Methods and materials for containment and cleaning up : Cover drains. Collect, bind, and pump off spills.  
Observe possible material restrictions (see sections 7 and 10).  
Take up carefully with liquid-absorbent material (e.g. Chemizorb®). Dispose of properly. Clean up affected area.

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## SECTION 7. HANDLING AND STORAGE

For precautions see section 2.2.

Advice on safe handling : Work under hood. Do not inhale substance/mixture.  
Avoid generation of vapours/aerosols.

Further information on storage conditions : Tightly closed.  
Keep in a well-ventilated place.  
Keep locked up or in an area accessible only to

qualified or authorised persons.

|                                          |                                                                                                                       |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Storage class                            | : 6.1D, Non-combustible, acute toxic Cat.3 / toxic hazardous materials or hazardous materials causing chronic effects |
| Recommended storage temperature          | : Recommended storage temperature see product label.                                                                  |
| Further information on storage stability | : Store under inert gas.<br>Light sensitive.<br>hygroscopic                                                           |
| Packaging material                       | : Suitable material: Amber Glass Bottle/Jar                                                                           |

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Ingredients with workplace control parameters

| Components                | CAS-No.  | Value type<br>(Form of exposure) | Control parameters /<br>Permissible concentration | Basis     |
|---------------------------|----------|----------------------------------|---------------------------------------------------|-----------|
| Chloroform-D1-Deuteration | 865-49-6 | TWA                              | 10 ppm                                            | ACGIH     |
|                           |          | ST                               | 2 ppm<br>9.78 mg/m <sup>3</sup>                   | NIOSH REL |
|                           |          | C                                | 50 ppm<br>240 mg/m <sup>3</sup>                   | OSHA Z-1  |

**Engineering measures** : No data available

### Personal protective equipment

Respiratory protection : required when vapours/aerosols are generated.

Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Recommended Filter type: : Filter type AX

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

|                          |                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hand protection          |                                                                                                                                                                                                                                                                                                                                                                                               |
| Material                 | : Viton®                                                                                                                                                                                                                                                                                                                                                                                      |
| Break through time       | : 480 min                                                                                                                                                                                                                                                                                                                                                                                     |
| Glove thickness          | : 0.7 mm                                                                                                                                                                                                                                                                                                                                                                                      |
| Protective index         | : Full contact                                                                                                                                                                                                                                                                                                                                                                                |
| Manufacturer             | : Vitoject® (KCL 890 / Aldrich Z677698, Size M)                                                                                                                                                                                                                                                                                                                                               |
| Material                 | : butyl-rubber                                                                                                                                                                                                                                                                                                                                                                                |
| Break through time       | : 10 min                                                                                                                                                                                                                                                                                                                                                                                      |
| Glove thickness          | : 0.7 mm                                                                                                                                                                                                                                                                                                                                                                                      |
| Protective index         | : Splash contact                                                                                                                                                                                                                                                                                                                                                                              |
| Manufacturer             | : Butoject® (KCL 898)                                                                                                                                                                                                                                                                                                                                                                         |
| Remarks                  | : This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN 16523-1 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: <a href="http://www.kcl.de">www.kcl.de</a> ). |
| Eye protection           | : Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).<br>Safety glasses                                                                                                                                                                                                                                             |
| Skin and body protection | : protective clothing                                                                                                                                                                                                                                                                                                                                                                         |
| Hygiene measures         | : Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.                                                                                                                                                                                                                                                               |

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|                             |                                   |
|-----------------------------|-----------------------------------|
| Appearance                  | : liquid                          |
| Colour                      | : colourless                      |
| Odour                       | : characteristic                  |
| Odour Threshold             | : No data available               |
| pH                          | : No data available               |
| Melting point/ range        | : -83 °F / -64 °C<br>Method: lit. |
| Boiling point/boiling range | : 141.6 °F / 60.9 °C              |

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Method: lit.

|                                                     |                                                                                                                                                                                                              |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash point                                         | : > 140 °F / > 60 °C<br>(ca. 1,019.2 hPa)<br>Method: Regulation (EC) No. 440/2008, Annex, A.9,<br>closed cup<br>Not classified due to data which are conclusive<br>although insufficient for classification. |
| Evaporation rate                                    | : No data available                                                                                                                                                                                          |
| Flammability (solid, gas)                           | : No data available                                                                                                                                                                                          |
| Flammability (liquids)                              | : The product is not flammable.                                                                                                                                                                              |
| Burning rate                                        | : No data available                                                                                                                                                                                          |
| Upper explosion limit /<br>Upper flammability limit | : Not applicable                                                                                                                                                                                             |
| Lower explosion limit /<br>Lower flammability limit | : Not applicable                                                                                                                                                                                             |
| Vapour pressure                                     | : ca. 265.31 hPa (ca. 77 °F / 25 °C)                                                                                                                                                                         |
| Relative vapour density                             | : 4.12<br>(Air = 1.0)                                                                                                                                                                                        |
| Relative density                                    | : ca. 1.445 (68 °F / 20 °C)<br>Method: OECD Test Guideline 109                                                                                                                                               |
| Density                                             | : 1.500 g/cm <sup>3</sup> (77 °F / 25 °C)<br>Method: lit.                                                                                                                                                    |
| Solubility(ies)<br>Water solubility                 | : 4.6 g/l (68 °F / 20 °C)<br>Method: Regulation (EC) No. 440/2008, Annex, A.6                                                                                                                                |
| Partition coefficient: n-<br>octanol/water          | : log Pow: 1.5 (68 °F / 20 °C)<br>Method: Regulation (EC) No. 440/2008, Annex, A.8<br>Bioaccumulation is not expected.                                                                                       |
| Autoignition temperature                            | : > 397 °F / > 203 °C (ca. 1,004.6 hPa)<br>Method: Regulation (EC) No. 440/2008, Annex, A.15                                                                                                                 |
| Decomposition<br>temperature                        | : Distillable in an undecomposed state at normal<br>pressure.                                                                                                                                                |
| Viscosity, dynamic                                  | : No data available                                                                                                                                                                                          |
| Viscosity, kinematic                                | : No data available                                                                                                                                                                                          |

|                          |                                                       |
|--------------------------|-------------------------------------------------------|
| Flow time                | : No data available                                   |
| Explosive properties     | : No data available                                   |
| Oxidizing properties     | : none                                                |
| Surface tension          | : 72.3 mN/m, 0.99 g/l, 68 °F / 20 °C, Surface tension |
| Molecular weight         | : 120.38 g/mol                                        |
| Particle characteristics |                                                       |
| Particle size            | : No data available                                   |

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## SECTION 10. STABILITY AND REACTIVITY

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                         | : No data available                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Chemical stability                 | : The product is chemically stable under standard ambient conditions (room temperature) .                                                                                                                                                                                                                                                                                                                                                                                        |
| Possibility of hazardous reactions | : Risk of explosion with:<br>Ammonia<br>Amines<br>nitrogen oxides<br>bases<br>Oxygen<br>alkali amides<br>organic nitro compounds<br>Alcohols<br>alkali hydroxides<br>strong alkalis<br>Fluorine<br>peroxi compounds<br>Alkaline earth metals<br>Alkali metals<br>Powdered metals<br>Methanol<br>with<br>alcoholates<br>Methanol<br>with<br>strong alkalis<br>Iron<br>in powder form<br>various alloys<br>sensitive to shock<br>Methanol<br>with<br>Sodium hydroxide<br>magnesium |

in powder form  
Oxygen  
with  
alkali compounds  
Aluminium  
in powder form  
Acetone  
with  
alkali compounds  
Potassium  
sensitive to shock  
sodium  
sensitive to shock  
Violent reactions possible with:  
phosphines  
bis(dimethylamino)dimethyl tin  
nonmetallic hydrogen compounds  
Powdered metals  
Light metals  
Ketones  
mineral acids  
Strong oxidizing agents  
semimetallic hydrogen compounds

Conditions to avoid : no information available

Incompatible materials : rubber  
various plastics

Hazardous decomposition products : In the event of fire: see section 5

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## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

LD50 Oral - Rat - male - 908 mg/kg  
(OECD Test Guideline 401)

Remarks: The value is given in analogy to the following substances: Chloroform  
Acute toxicity estimate Inhalation - 4 h - 3.1 mg/l - vapour

(Expert judgement)

Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2)  
The value is given in analogy to the following substances: Chloroform  
Dermal: No data available

#### Skin corrosion/irritation

Skin - Rabbit

Result: Irritating to skin. - 24 h

Remarks: (ECHA)

The value is given in analogy to the following substances: Chloroform

Remarks: Drying-out effect resulting in rough and chapped skin.

**Serious eye damage/eye irritation**

Eyes - Rabbit

Result: Irritating to eyes.

Remarks: (ECHA)

The value is given in analogy to the following substances: Chloroform

Remarks: (Regulation (EC) No 1272/2008, Annex VI)

**Respiratory or skin sensitization**

Maximisation Test - Guinea pig

Result: negative

(Regulation (EC) No. 440/2008, Annex, B.6)

Remarks: The value is given in analogy to the following substances: Chloroform

**Germ cell mutagenicity**

Test Type: Ames test

Test system: Escherichia coli/Salmonella typhimurium

Metabolic activation: with and without metabolic activation

Result: negative

Remarks: (ECHA)

The value is given in analogy to the following substances: Chloroform  
Test Type: unscheduled DNA synthesis assay

Test system: Liver

Metabolic activation: without metabolic activation

Result: negative

Remarks: (ECHA)

The value is given in analogy to the following substances: Chloroform

Test Type: Micronucleus test

Species: Rat

Cell type: Red blood cells (erythrocytes)

Application Route: Oral

Method: OECD Test Guideline 474

Result: negative

Remarks: The value is given in analogy to the following substances: Chloroform

Test Type: unscheduled DNA synthesis assay

Species: Rat

Cell type: Liver cells

Application Route: Oral

Method: OECD Test Guideline 486

Result: negative

Remarks: The value is given in analogy to the following substances: Chloroform

Test Type: in vivo assay

Species: Mouse

Application Route: Inhalation

Result: negative

Remarks: (ECHA)

The value is given in analogy to the following substances: Chloroform

**Carcinogenicity**

Suspected of causing cancer.

IARC: 2B - Group 2B: Possibly carcinogenic to humans (Chloroform-D1-Deuteration)  
NTP: RAHC - Reasonably anticipated to be a human carcinogen (Chloroform-D1-Deuteration)  
OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**Reproductive toxicity**

Suspected of damaging the unborn child.

**Specific target organ toxicity - single exposure**

May cause drowsiness or dizziness.

Remarks: The value is given in analogy to the following substances: Chloroform

**Specific target organ toxicity - repeated exposure**

Causes damage to organs through prolonged or repeated exposure.

- Liver, Kidney

Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2)

The value is given in analogy to the following substances: Chloroform

**Aspiration hazard**

No data available

**11.2 Additional Information**

Repeated dose toxicity - Rat - female - Oral - No observed adverse effect level - 34 mg/kg

Remarks: The value is given in analogy to the following substances: Chloroform

Vomiting, Cough, irritant effects, Shortness of breath, respiratory arrest, narcosis, Dizziness, Nausea, agitation, spasms, inebriation, Headache, Stomach/intestinal disorders, ataxia (impaired locomotor coordination), cardiovascular disorders  
Drying-out effect resulting in rough and chapped skin.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Stomach - Irregularities - Based on Human Evidence

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**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Components:**

**Chloroform-D1-Deuteration:**

Toxicity to algae/aquatic plants : ErC50 (Chlamydomonas reinhardtii (green algae)):  
13.3 mg/l  
Exposure time: 72 h  
Test Type: static test  
Analytical monitoring: yes  
Remarks: (ECHA)  
The value is given in analogy to the following substances:

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The value is given in analogy to the following substances: Chloroform

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 6.3 mg/l  
End point: reproduction rate  
Exposure time: 21 d  
Test Type: semi-static test  
Analytical monitoring: yes  
Remarks: (ECHA)  
The value is given in analogy to the following substances:  
The value is given in analogy to the following substances: Chloroform

Toxicity to microorganisms : EC50 (activated sludge): 0.48 mg/l  
Exposure time: 24 h  
Test Type: static test  
Remarks: (ECHA)  
The value is given in analogy to the following substances:  
The value is given in analogy to the following substances: Chloroform

### **Ecotoxicology Assessment**

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

### **Persistence and degradability**

#### **Components:**

#### **Chloroform-D1-Deuteration:**

Biodegradability : aerobic  
Inoculum: Sewage sludge  
Concentration: 100 mg/l  
Result: Not readily biodegradable.  
Biodegradation: 0 %  
Exposure time: 14 d  
Method: OECD Test Guideline 301C

### **Bioaccumulative potential**

#### **Components:**

#### **Chloroform-D1-Deuteration:**

Partition coefficient: n-octanol/water : log Pow: 1.5 (68 °F / 20 °C)  
Method: Regulation (EC) No. 440/2008, Annex, A.8  
Remarks: Bioaccumulation is not expected.

### **Mobility in soil**

No data available

**Other adverse effects**

No data available

**Endocrine disrupting properties**

No data available

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

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**SECTION 14. TRANSPORT INFORMATION****International Regulations****IATA-DGR**

UN/ID No. : UN 1888  
Proper shipping name : Chloroform  
Class : 6.1  
Packing group : III  
Labels : Division 6.1 - Toxic substances  
Packing instruction (cargo aircraft) : 680  
Packing instruction (passenger aircraft) : 680

**IMDG-Code**

UN number : UN 1888  
Proper shipping name : CHLOROFORM  
  
Class : 6.1  
Packing group : III  
Labels : 6.1  
EmS Code : F-A, S-A  
Marine pollutant : no

**Transport in bulk according to IMO instruments**

Not applicable for product as supplied.

**National Regulations****49 CFR**

UN/ID/NA number : UN 1888  
Proper shipping name : Chloroform  
  
Class : 6.1  
  
Packing group : III  
Labels : Division 6.1 - Toxic substances

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ERG Code : 151  
 Marine pollutant : no  
 Poison Inhalation Hazard : No

### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## SECTION 15. REGULATORY INFORMATION

### CERCLA Reportable Quantity

| Components                | CAS-No.  | Component RQ (lbs) | Calculated product RQ (lbs) |
|---------------------------|----------|--------------------|-----------------------------|
| Chloroform-D1-Deuteration | 865-49-6 | 10                 | 10                          |
| Chloroform-D1-Deuteration | 865-49-6 | 10                 | 10 (D022)                   |

### SARA 304 Extremely Hazardous Substances Reportable Quantity

| Components                | CAS-No.  | Component RQ (lbs) | Calculated product RQ (lbs) |
|---------------------------|----------|--------------------|-----------------------------|
| Chloroform-D1-Deuteration | 865-49-6 | 10                 | 10                          |

### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

| Components                | CAS-No.  | Component TPQ (lbs) |
|---------------------------|----------|---------------------|
| Chloroform-D1-Deuteration | 865-49-6 | 10000               |

**SARA 311/312 Hazards** : Acute Health Hazard  
 Chronic Health Hazard

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

Chloroform- 865-49-6 >= 90 - <= 100 %  
 D1-Deuteration

### US State Regulations

#### Massachusetts Right To Know

Chloroform-D1-Deuteration 865-49-6

#### Pennsylvania Right To Know

Chloroform-D1-Deuteration 865-49-6

#### Maine Chemicals of High Concern

Product does not contain any listed chemicals

#### Vermont Chemicals of High Concern

Product does not contain any listed chemicals

#### Washington Chemicals of High Concern

Product does not contain any listed chemicals

## California Prop. 65

WARNING: This product can expose you to chemicals including Chloroform-D1-Deuteration, which is/are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov). **The components of this product are reported in the following inventories:**

US TSCA : Product contains substance(s) not listed on TSCA inventory.

### TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

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## SECTION 16. OTHER INFORMATION

### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
NIOSH REL : USA. NIOSH Recommended Exposure Limits  
OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants  
ACGIH / TWA : 8-hour, time-weighted average  
NIOSH REL / ST : STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday  
OSHA Z-1 / C : Ceiling

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent,

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Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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Details in analogy to the undeuterated compound.

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