CHLOROFORM-D "100%" (D, 99.96%) +0.03% V/V TMS

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 6/2/2011 Revision date: 4/18/2023 Supersedes: 7/25/2012 Version: 3.1

SECTION 1: Identification

1.1. Identification

Product form	:	Mixture
Product name	:	CHLOROFORM-D "100%" (D, 99.96%) +0.03% V/V TMS
CAS-No.	:	67-66-3
Product code	:	DLM-29TC
Formula	:	CHCl3
Synonyms	:	Trichloromethane. Methylidyne trichloride.

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Cambridge Isotope Laboratories, Inc.
50 Frontage Rd
01810
ANDOVER, MA, 01810
USA
T 1-800-322-1174
cilsales@isotope.com - www.isotope.com

1.4. Emergency telephone number

Emergency number	:	1-703-741-5970 Chemtrec 1-800-424-9300 24 hours

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Acute toxicity (oral) Category 4	H302	Harmful if swallowed
Acute toxicity (inhalation) Category 3	H331	Toxic if inhaled
Skin corrosion/irritation Category 2	H315	Causes skin irritation
Serious eye damage/eye irritation Category 2A	H319	Causes serious eye irritation
Carcinogenicity Category 1B	H350	May cause cancer (Dermal, Inhalation, oral)
Reproductive toxicity Category 2	H361	(Dermal, Inhalation, oral)
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336	May cause drowsiness or dizziness
Specific target organ toxicity (repeated exposure) Category 1	H372	Causes damage to organs (central nervous system, kidneys, liver) through prolonged or repeated exposure (Dermal, Inhalation, oral)
Hazardous to the aquatic environment – Acute Hazard Category 3	H402	Harmful to aquatic life

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :

Signal word (GHS US) : Danger

Hazard statements (GHS US) :
H302 - Harmful if swallowed
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H331 - Toxic if inhaled
H336 - May cause drowsiness or dizziness
H350 - May cause cancer (Dermal, Inhalation, oral)
H361 - (Dermal, Inhalation, oral)
H372 - Causes damage to organs (central nervous system, kidneys, liver) through prolonged or repeated exposure (Dermal, Inhalation, oral)
H402 - Harmful to aquatic life

Precautionary statements (GHS US) :
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe dust, fume, gas, mist, spray, vapors.
P261 - Avoid breathing dust, fume, gas, mist, spray, vapors.
P264 - Wash Both hands 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+P312 - If swallowed: Call a poison center or doctor if you feel unwell.
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 poison center or doctor.
P312 - Call a poison center or doctor if you feel unwell.
P314 - Get medical advice/attention if you feel unwell.
P321 - Specific treatment (see Hazard pictograms (CLP) on this label).
P330 - Rinse mouth.
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.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents/container to Comply with applicable regulations.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
CHLOROFORM-D "100%" (D, 99.96%)	CAS-No.: 865-49-6	99.97	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Inhalation), H331 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Carc. 2, H351 Repr. 2, H361 STOT SE 3, H336 STOT RE 1, H372 Aquatic Acute 3, H402

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

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Move out of dangerous area. Consult a physician and show this safety data sheet.

First-aid measures after inhalation : Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

First-aid measures after skin contact : Wash with soap and plenty of water. Consult a physician.

First-aid measures after eye contact : Flush eye with water for 15 minutes. Get medical attention.

First-aid measures after ingestion : Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : May be harmful if inhaled. Causes respiratory tract irritation.

Symptoms/effects after skin contact : Harmful if absorbed through skin. Causes skin irritation.

Symptoms/effects after eye contact : Causes eye irritation.

Symptoms/effects after ingestion : Harmful if swallowed.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

5.2. Specific hazards arising from the chemical

No additional information available

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3. Methods and material for containment and cleaning up

For containment : Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Normal measures for preventive fire protection.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep container tightly closed in a cool, dry and well-ventilated place. Opened containers must be carefully resealed and kept upright to prevent leakage.

Storage conditions : Store refrigerated (-5 °C to 5 °C). Protect from light.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

CHLOROFORM-D "100%" (D, 99.96%) +0.03% V/V TMS (67-66-3)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Chloroform
ACGIH OEL TWA [ppm]	10 ppm Confirmed animal carcinogen with unknown relevance to humans.
Remark (ACGIH)	TLV® Basis: Liver & embryo/fetal dam; CNS impair. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2022
USA - OSHA - Occupational Exposure Limits	
Local name	Chloroform (Trichloromethane)
OSHA PEL TWA [2]	2 ppm

CHLOROFORM-D "100%" (D, 99.96%) +0.03% V/V TMS (67-66-3)	
OSHA PEL C	240 mg/m³
OSHA PEL C [ppm]	50 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

CHLOROFORM-D "100%" (D, 99.96%) (865-49-6)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA [ppm]	10 ppm Basis: USA. ACGIH Threshold Limit Values (TLV)
Remark (ACGIH)	Central Nervous system impairment. Liver damage. Embryo/fetal damage. Confirmed animal carcinogen with unknown relevance to humans.
USA - OSHA - Occupational Exposure Limits	
OSHA PEL TWA [1]	9.78 mg/m³ Basis: USA. Occupational Exposure Limits (OSHA) Table Z-1 Limits for Air Contaminants - 1910.1000
OSHA PEL TWA [2]	2 ppm Basis: USA. Occupational Exposure Limits (OSHA) Table Z-1 Limits for Air Contaminants - 1910-.1000
OSHA PEL C	240 mg/m³ Basis: USA. Occupational Exposure Limits (OSHA) Table Z-1 Limits for Air Contaminants.
OSHA PEL C [ppm]	50 ppm Basis: USA. Occupational Exposure Limits (OSHA) Table Z-1 Limits for Air Contaminants.
Remark (OSHA)	The value in mg/m3 is approximate. Ceiling limit is to be determined from breathing-zone air samples. Value: PEL Control Parameters: 2 ppm / 9.78 mg/m3 Basis: California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL STEL	9.78 mg/m³ Basis: USA. NIOSH Recommended Exposure Limits
NIOSH REL STEL [ppm]	2 ppm Basis: USA. NIOSH Recommended Exposure Limits
Remark (NIOSH)	Potential Occupational Carcinogen. See Appendix A.

8.2. Appropriate engineering controls

No additional information available

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

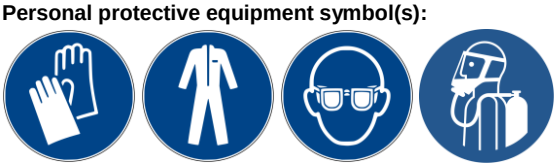
Gloves. Protective clothing. Protective goggles. Self-contained breathing apparatus.

Eye protection:
Wear safety glasses with side shields (or goggles) and a face shield.

Skin and body protection:
Wear complete suit protecting against chemicals according to concentration and amount of substance. Use suitable gloves. Use proper glove removal technique. Wash and dry hands.

Respiratory protection:
Wear appropriate NIOSH/MSHA approved respirator.

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Liquid, clear.
Color	:	Colorless
Odor	:	Mixture contains one or more component(s) which have the following odour:
Odor threshold	:	No data available
pH	:	No data available
Melting point	:	-63 °C (-81 °F)
Freezing point	:	No data available
Boiling point	:	60.5 – 61.5 °C (140.9 - 142.7 °F)
Flash point	:	No data available
Relative evaporation rate (butyl acetate=1)	:	No data available
Flammability (solid, gas)	:	No data available
Vapor pressure	:	213.3 hPa (160.0 mmHg) at 20.0 °C (68.0 °F)
Relative vapor density at 20°C	:	No data available
Relative density	:	No data available
Molecular mass	:	120.38 g/mol
Solubility	:	No data available
Partition coefficient n-octanol/water (Log Pow)	:	1.97
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosion limits	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Six months after receipt if stored as stated in "Storage" section. Re-QC after six months.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Not available.

10.5. Incompatible materials

Strong oxidizing agents, Strong bases, Magnesium, Sodium/Sodium oxides, Lithium.

10.6. Hazardous decomposition products

Formed under fire conditions: Carbon oxides, Hydrogen chloride gas.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Toxic if inhaled.

CHLOROFORM-D "100%" (D, 99.96%) +0.03% V/V TMS (67-66-3)	
LD50 oral rat	695 mg/kg
LD50 dermal rabbit	> 20000 mg/kg
LC50 Inhalation - Rat	47702 mg/m³ 4 h
ATE US (oral)	695 mg/kg body weight
ATE US (gases)	700 ppmV/4h
ATE US (vapors)	3 mg/l/4h
ATE US (dust, mist)	0.5 mg/l/4h

CHLOROFORM-D "100%" (D, 99.96%) (865-49-6)	
LD50 oral rat	908 mg/kg
LD50 dermal rabbit	> 20000 mg/kg
LC50 Inhalation - Rat	47702 mg/m³ 4 h
ATE US (oral)	908 mg/kg body weight
ATE US (gases)	700 ppmV/4h
ATE US (vapors)	3 mg/l/4h
ATE US (dust, mist)	0.5 mg/l/4h

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : May cause cancer (Dermal, Inhalation, oral).

CHLOROFORM-D "100%" (D, 99.96%) +0.03% V/V TMS (67-66-3)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen

CHLOROFORM-D "100%" (D, 99.96%) (865-49-6)	
Additional information	: Tumorigenic: Carcinogenic by RTECS criteria. Leukemia.
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen

Reproductive toxicity : (Dermal, Inhalation, oral).

STOT-single exposure : May cause drowsiness or dizziness.

CHLOROFORM-D "100%" (D, 99.96%) (865-49-6)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure : Causes damage to organs (central nervous system, kidneys, liver) through prolonged or repeated exposure (Dermal, Inhalation, oral).

CHLOROFORM-D "100%" (D, 99.96%) (865-49-6)	
STOT-repeated exposure	Causes damage to organs (central nervous system, kidneys, liver) through prolonged or repeated exposure (Dermal, Inhalation, oral).

Aspiration hazard : Not classified

Viscosity, kinematic : No data available

Symptoms/effects after inhalation : May be harmful if inhaled. Causes respiratory tract irritation.

Symptoms/effects after skin contact : Harmful if absorbed through skin. Causes skin irritation.

Symptoms/effects after eye contact : Causes eye irritation.

Symptoms/effects after ingestion : Harmful if swallowed.

SECTION 12: Ecological information

12.1. Toxicity

CHLOROFORM-D "100%" (D, 99.96%) +0.03% V/V TMS (67-66-3)	
LC50 - Fish [1]	162 mg/l Leuciscus idus (Golden orfe) - 48 h
EC50 - Crustacea [1]	79 mg/l Daphnia magna (Water flea) - 48 h
ErC50 algae	13.3 mg/l
NOEC chronic fish	0.059 mg/l

CHLOROFORM-D "100%" (D, 99.96%) (865-49-6)	
LC50 - Fish [1]	162 mg/l Leuciscus idus (Golden orfe) - 48 h
LC50 - Other aquatic organisms [1]	97 mg/l Other fish - 96 h
EC50 - Crustacea [1]	79 mg/l Daphnia magna (Water flea) - 48 h
EC50 - Other aquatic organisms [1]	500 mg/l No information available - 24 h
LC50 - Fish [2]	121 mg/l Danio rerio (Zebra fish) - 96 h
EC50 - Crustacea [2]	51.6 mg/l Daphnia magna (water flea) - 11 d
ErC50 algae	500 mg/l - 24 h
NOEC (chronic)	122 mg/l Oryzias latipes - 10 d
NOEC chronic fish	24 mg/l Oncorhynchus mykiss (rainbow trout) - 96 h

12.2. Persistence and degradability

CHLOROFORM-D "100%" (D, 99.96%) +0.03% V/V TMS (67-66-3)	
Persistence and degradability	Not available.

12.3. Bioaccumulative potential

CHLOROFORM-D "100%" (D, 99.96%) +0.03% V/V TMS (67-66-3)	
Partition coefficient n-octanol/water (Log Pow)	1.97
Bioaccumulative potential	Not available.

CHLOROFORM-D "100%" (D, 99.96%) (865-49-6)	
BCF - Fish [1]	-0.11 mg/l Lepomis machrochirus (Bluegill) - 14 d
Bioconcentration factor (BCF REACH)	6
Partition coefficient n-octanol/water (Log Pow)	1.97

12.4. Mobility in soil

CHLOROFORM-D "100%" (D, 99.96%) +0.03% V/V TMS (67-66-3)	
Ecology - soil	Not available.

12.5. Other adverse effects

Other adverse effects : An environmental hazard cannot be excluded in the event of an unprofessional handling or disposal. Harmful to aquatic life.

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional legislation (waste) : Offer surplus and non-recyclable solutions to a licensed disposal company. Contact licensed disposal company to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an after burner and scrubber.

Product/Packaging disposal recommendations : Dispose of as unused product.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

14.1. UN number

DOT NA No : UN1888
UN-No. (TDG) : UN1888
UN-No. (IMDG) : 1888
UN-No. (IATA) : 1888

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Chloroform
Proper Shipping Name (TDG) : CHLOROFORM
Proper Shipping Name (IMDG) : CHLOROFORM
Proper Shipping Name (IATA) : Chloroform

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : 6.1
Hazard labels (DOT) : 6.1

TDG

Transport hazard class(es) (TDG) : 6.1
Hazard labels (TDG) : 6.1

IMDG

Transport hazard class(es) (IMDG) : 6.1

Hazard labels (IMDG) : 6.1

IATA

Transport hazard class(es) (IATA) : 6.1

Hazard labels (IATA) : 6.1

14.4. Packing group

Packing group (DOT) : III

Packing group (TDG) : III

Packing group (IMDG) : III

Packing group (IATA) : III

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

DOT

UN-No.(DOT) : UN1888

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).
N36 - Aluminum or aluminum alloy construction materials are permitted only for halogenated hydrocarbons that will not react with aluminum.
T7 - 4 178.274(d)(2) Normal..... 178.275(d)(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.

DOT Packaging Exceptions (49 CFR 173.xxx) : 153

DOT Packaging Non Bulk (49 CFR 173.xxx) : 203

DOT Packaging Bulk (49 CFR 173.xxx) : 241

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 60 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	220 L
DOT Vessel Stowage Location	:	A - The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	:	40 - Stow ‘‘clear of living quarters’’

TDG

UN-No. (TDG)	:	UN1888
Explosive Limit and Limited Quantity Index	:	5 L
Excepted quantities (TDG)	:	E1
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	:	60 L
Emergency Response Guide (ERG) Number	:	151

IMDG

Limited quantities (IMDG)	:	5 L
Excepted quantities (IMDG)	:	E1
Packing instructions (IMDG)	:	P001, LP01
IBC packing instructions (IMDG)	:	IBC03
Tank instructions (IMDG)	:	T7
Tank special provisions (IMDG)	:	TP2
EmS-No. (Fire)	:	F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage)	:	S-A - SPILLAGE SCHEDULE Alfa - TOXIC SUBSTANCES
Stowage category (IMDG)	:	A
Stowage and handling (IMDG)	:	SW2
Segregation (IMDG)	:	SGG10
Flash point (IMDG)	:	'
Properties and observations (IMDG)	:	Colourless, volatile liquid.Boiling point: 61°C. Non-flammable. When involved in a fire, evolves extremely toxic fumes (phosgene). Toxic if swallowed, by skin contact or by inhalation. Anaesthetic.
MFAG-No	:	151

IATA

PCA Excepted quantities (IATA)	:	E1
PCA Limited quantities (IATA)	:	Y680
PCA limited quantity max net quantity (IATA)	:	2L
PCA packing instructions (IATA)	:	680
PCA max net quantity (IATA)	:	60L
CAO packing instructions (IATA)	:	680
CAO max net quantity (IATA)	:	220L
ERG code (IATA)	:	6A

14.7. 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

CHLOROFORM-D "100%" (D, 99.96%) +0.03% V/V TMS (67-66-3)	
Subject to reporting requirements of United States SARA Section 313 Listed on EPA Hazardous Air Pollutant (HAPS)	
CERCLA RQ	10 lb
RQ (Reportable quantity, section 304 of EPA's List of Lists)	10 lb

CHLOROFORM-D "100%" (D, 99.96%) +0.03% V/V TMS (67-66-3)	
SARA Section 302 Threshold Planning Quantity (TPQ)	10000 lb
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
CHLOROFORM-D "100%" (D, 99.96%)	865-49-6	Not present	-	

CHLOROFORM-D "100%" (D, 99.96%) (865-49-6)	
SARA Section 302 Threshold Planning Quantity (TPQ)	Subject to reporting requirements of United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard

15.2. International regulations

CANADA

CHLOROFORM-D "100%" (D, 99.96%) +0.03% V/V TMS (67-66-3)
Listed on the Canadian DSL (Domestic Substances List)

CHLOROFORM-D "100%" (D, 99.96%) (865-49-6)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

CHLOROFORM-D "100%" (D, 99.96%) +0.03% V/V TMS (67-66-3)
Listed on IARC (International Agency for Research on Cancer) Listed as carcinogen on NTP (National Toxicology Program) Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US State regulations

CHLOROFORM-D "100%" (D, 99.96%) +0.03% V/V TMS (67-66-3)	
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
No significant risk level (NSRL)	20 µg/day (oral) ; 40 µg/day (inhalation)
State or local regulations	U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List

CHLOROFORM-D "100%" (D, 99.96%) (865-49-6)					
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	Yes	Yes	Yes		

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 04/18/2023

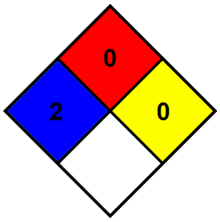
Other information : This product is not radioactive. The data given for this product are those of the corresponding unlabeled compound, unless specifically indicated otherwise. Health and safety data for labeled compounds are generally not available, but are assumed to be similar or identical to the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

Full text of H-phrases	
H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H331	Toxic if inhaled
H336	May cause drowsiness or dizziness
H350	May cause cancer
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child
H372	Causes damage to organs through prolonged or repeated exposure
H402	Harmful to aquatic life

NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard : 0 - Materials that will not burn under typical fire 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.



Hazard Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur

Flammability : 0 Minimal Hazard - Materials that will not burn

Physical : 1 Slight Hazard - Materials that are normally stable but can become unstable (self-react) at high temperatures and pressures. Materials may react non-violently with water or undergo hazardous polymerization in the absence of inhibitors.

Safety Data Sheet (SDS), USA

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.