



1,2,3-TRICHLOROPROPANE (D5, 98%) (95% CHEMICAL PURITY)

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

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Version: 3.0

DLM-2080

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

1.1. Product identifier

Product form	: Substance
Substance name	: 1,2,3-TRICHLOROPROPANE (D5, 98%) (95% CHEMICAL PURITY)
EC Index No	: 602-062-00-X (Unlabeled)
EC No	: 202-486-1 (Unlabeled)
CAS No	: 96-18-4 (Unlabeled)
Product code	: DLM-2080
Formula	: CD2CICDCICD2CI
Synonyms	: Glycerol trichlorohydrin.Trichlorohydrin

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

1.2.1. Relevant identified uses

Main use category	: Professional use
Industrial/Professional use spec	: For professional use only

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Cambridge Isotope Laboratories, Inc.
50 Frontage Road
Andover, MA 01810
USA

USA: 1-800-322-1174 Int: 1-978-749-8000

cilsales@isotope.com www.isotope.com

Emergency telephone number

Emergency numbers:

Chemtrec: 1-800-424-9300 (24 hours)

International: 1-703-741-5970 (24 hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Acute Tox. 3 (Oral)	H301
Acute Tox. 3 (Dermal)	H311
Acute Tox. 3 (Inhalation)	H331
Eye Irrit. 2	H319
Carc. 1B	H350
Repr. 1B	H360
STOT SE 1	H370
STOT RE 1	H372

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

T; R39/23

Xi; R36

T; R48/24/25

Repr.Cat.1; R60

Repr.Cat.1; R61

Full text of R-phrases: see section 16

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GHS-US classification

Flam. Liq. 4	H227
Acute Tox. 3 (Oral)	H301
Acute Tox. 3 (Dermal)	H311
Acute Tox. 3 (Inhalation)	H331
Eye Irrit. 2A	H319
Carc. 1B	H350
Repr. 1B	H360
STOT SE 1	H370
STOT RE 1	H372

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Liver, Kidney, Pancreas.

2.2. Label elements

Labelling 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
H319 - Causes serious eye irritation
H350 - May cause cancer (in contact with skin, if inhaled, oral)
H360 - May damage fertility. May damage the unborn child (if inhaled, in contact with skin, oral)
H370 - Causes damage to organs (kidneys, liver, pancreas) (if inhaled, if swallowed, in contact with skin, inhalation, oral)
H372 - Causes damage to organs (kidneys, liver, pancreas) through prolonged or repeated exposure (in contact with skin, if inhaled, if swallowed)

Precautionary statements (CLP)

: P260 - Do not breathe dust, fume, gas, mist, spray, vapours
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
P280 - Wear eye protection, face protection, protective clothing, protective gloves
P301+P310 - IF SWALLOWED: Immediately call a doctor
P302+P352 - IF ON SKIN: Wash with plenty of water
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing

GHS-US labelling

Hazard pictograms (GHS-US)



Signal word (GHS-US)

: Danger

Hazard statements (GHS-US)

: H227 - Combustible liquid
H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled
H319 - Causes serious eye irritation
H350 - May cause cancer (Dermal, Inhalation, oral)
H360 - May damage fertility or the unborn child (Dermal, Inhalation, oral)
H370 - Causes damage to organs (kidneys, liver, pancreas) (Dermal, Inhalation, oral)
H372 - Causes damage to organs (kidneys, liver, pancreas) through prolonged or repeated exposure (Dermal, Inhalation, oral)

Precautionary statements (GHS-US)

: P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking
P260 - Do not breathe dust, fume, gas, mist, spray, vapours
P261 - Avoid breathing dust, fume, gas, mist, spray, vapours
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

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P280 - Wear eye protection, face protection, protective clothing, protective gloves
P301+P310 - If swallowed: Immediately call a doctor
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
P307+P311 - If exposed: Call a poison center/doctor
P308+P313 - If exposed or concerned: Get medical advice/attention
P311 - Call a doctor
P312 - Call a doctor if you feel unwell
P314 - Get medical advice/attention if you feel unwell
P321 - Specific treatment (see Hazard pictograms (CLP) on this label)
P322 - Specific treatment (see Hazard pictograms (CLP) on this label)
P330 - Rinse mouth
P337+P313 - If eye irritation persists: Get medical advice/attention
P361+P364 - Take off immediately all contaminated clothing and wash it before reuse
P370+P378 - In case of fire: Use Alcohol resistant foam, Carbon dioxide, Dry chemical, Water spray to extinguish
P403+P233 - Store in a well-ventilated place. Keep container tightly closed
P403+P235 - Store in a well-ventilated place. Keep cool
P405 - Store locked up
P501 - Dispose of contents/container to Comply with applicable regulations

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
1,2,3-TRICHLOROPROPANE (D5, 98%) (95% CHEMICAL PURITY)	(CAS No) 96-18-4 (Unlabeled) (EC No) 202-486-1 (Unlabeled) (EC Index No) 602-062-00-X (Unlabeled)	100	Carc.Cat.1; R45 Carc.Cat.1; R49 T; R39/23 Xi; R36 T; R48/24/25 Repr.Cat.1; R60 Repr.Cat.1; R61
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1,2,3-TRICHLOROPROPANE (D5, 98%) (95% CHEMICAL PURITY)	(CAS No) 96-18-4 (Unlabeled) (EC No) 202-486-1 (Unlabeled) (EC Index No) 602-062-00-X (Unlabeled)	100	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Eye Irrit. 2, H319 Carc. 1B, H350 Repr. 1B, H360 STOT SE 1, H370 STOT RE 1, H372

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

Name	Product identifier	%	GHS-US classification
1,2,3-TRICHLOROPROPANE (D5, 98%) (95% CHEMICAL PURITY) (Main constituent)	(CAS No) 96-18-4 (Unlabeled)	100	Flam. Liq. 4, H227 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Eye Irrit. 2A, H319 Carc. 1B, H350 Repr. 1B, H360 STOT SE 1, H370 STOT RE 1, H372

Full text of H-statements: see section 16

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

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First-aid measures after inhalation	: If breathed in, move person to fresh air. If not breathing, give artificial respiration. Consult a physician.
First-aid measures after skin contact	: Wash off with soap and plenty of water. Consult a physician.
First-aid measures after eye contact	: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
First-aid measures after ingestion	: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

Symptoms/injuries after inhalation	: Toxic if inhaled. May cause respiratory irritation.
Symptoms/injuries after skin contact	: Toxic in contact with skin. May cause skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after ingestion	: Toxic if swallowed.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray, dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂).

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions	: Wear a self contained breathing apparatus.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: Use water spray to cool exposed surfaces.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Wear personal protective equipment. Avoid breathing dust, mist or spray. Avoid contact with skin. Ensure adequate air ventilation. Evacuate danger area.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Do not allow to enter drains or water courses. Avoid discharge to atmosphere. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation.

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 vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent build up of electrostatic charge.
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	: Store in a well-ventilated place. Keep container tightly closed.
Storage conditions	: Store at room temperature away from light and moisture.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

1,2,3-TRICHLOROPROPANE (D5, 98%) (95% CHEMICAL PURITY) (96-18-4 (Unlabeled))		
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	10.00000000 ppm Eye & Upper Respiratory Tract irritation, Liver & Kidney damage

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USA OSHA	OSHA PEL (TWA) (ppm)	50 ppm Upper respiratory
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8.2. Exposure controls

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



Hand protection : Wear suitable protective clothing and gloves.

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

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : When appropriate, use NIOSH/CEN approved respirator.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid, clear.
Molecular mass	: 152.46 g/mol (Labeled)
Colour	: Colourless.
Odour	: Pungent.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: -14 °C (6.8 °F) - lit.
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 74 °C (165 °F) - closed cup
Auto-ignition temperature	: 304 °C (579 °F)
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 6.65 hPa (4.99 mmHg) at 32.84 °C (91.11 °F)
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.387 g/ml at 25 °C (77 °F)
Solubility	: Water: 1.88 g/l at 20 °C (68 °F) - slightly soluble
Log Pow	: 2.63 at 25 °C (77 °F)
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 3.2 - 12.6 vol %

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable if stored under recommended conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Not available.

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10.5. Incompatible materials

Strong oxidizing agents, Strong bases, Strong Acids, Aluminum, Tin/tin oxides. Materials to avoid continued: Zinc, Magnesium.

10.6. Hazardous decomposition products

Formed under fire conditions - Carbon oxides, Hydrogen chloride gas. Nature of decomposition products not known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

1,2,3-TRICHLOROPROPANE (D5, 98%) (95% CHEMICAL PURITY) (96-18-4 (Unlabeled))	
LD50 oral rat	152 mg/kg male and female
LD50 dermal rabbit	523 mg/kg (OECD Test Guideline 402)
LC50 inhalation rat (mg/l)	> 4800 µg/m ³ male and female (OECD Test Guideline 403) - 4 h
ATE CLP (oral)	152.000 mg/kg bodyweight
ATE CLP (dermal)	523.000 mg/kg bodyweight
ATE CLP (gases)	700.000 ppmv/4h
ATE CLP (vapours)	3.000 mg/l/4h
ATE CLP (dust,mist)	0.500 mg/l/4h

Skin corrosion/irritation	: Not classified skin - Rabbit Result: No skin irritation - 24 h
Serious eye damage/irritation	: Causes serious eye irritation. Eyes - rabbit Result: Irritating to eyes.
Respiratory or skin sensitisation	: Maximisation Test - guinea pig - OECD Test Guideline 406 - Did not cause sensitization on laboratory animals.
Germ cell mutagenicity	: In vitro tests showed mutagenic effects. Genotoxicity in vitro - Ames test - S. typhimurium
Carcinogenicity	: This product is or contains a component that has been reported to be probably carcinogenic based on its IARC, OSHA, ACGIH, NTP, or EPA classification. Possible human carcinogen.
Reproductive toxicity	: Presumed human reproductive toxicant. May cause reproductive disorders.
STOT-single exposure	: Causes damage to organs (kidneys, liver, pancreas) (if inhaled, if swallowed, in contact with skin, inhalation, oral). No data available
STOT-repeated exposure	: Causes damage to organs (kidneys, liver, pancreas) through prolonged or repeated exposure (in contact with skin, if inhaled, if swallowed). No data available
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.
IARC group	: 2A
Symptoms/injuries after inhalation	: Toxic if inhaled. May cause respiratory irritation.
Symptoms/injuries after skin contact	: Toxic in contact with skin. May cause skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after ingestion	: Toxic if swallowed.

SECTION 12: Ecological information

12.1. Toxicity

1,2,3-TRICHLOROPROPANE (D5, 98%) (95% CHEMICAL PURITY) (96-18-4 (Unlabeled))	
LC50 fish 1	66.5 mg/l flow-through test - Pimephales promelas (fathead minnow) - 96 h
EC50 Daphnia 1	4.1 mg/l Ceriodaphnia dubia (Water flea) - 48 h
EC50 other aquatic organisms 1	101 mg/l Growth inhibition - Pseudokirchneriella subcapitata (algae) - 72 h (OECD Test Guideline 201)

12.2. Persistence and degradability

1,2,3-TRICHLOROPROPANE (D5, 98%) (95% CHEMICAL PURITY) (96-18-4 (Unlabeled))	
Persistence and degradability	Aerobic - exposure time: 28 d.
Biodegradation	0 % - Not readily biodegradable. (OECD Test Guideline 301C)

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12.3. Bioaccumulative potential

1,2,3-TRICHLOROPROPANE (D5, 98%) (95% CHEMICAL PURITY) (96-18-4 (Unlabeled))	
Bioconcentration factor (BCF REACH)	5.3 - 13 (OECD Test Guideline 305) Cyprinus carpio (Carp) - 42 d
Log Pow	2.63 at 25 °C (77 °F)
Bioaccumulative potential	Not available.

12.4. Mobility in soil

1,2,3-TRICHLOROPROPANE (D5, 98%) (95% CHEMICAL PURITY) (96-18-4 (Unlabeled))	
Ecology - soil	Not available.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Other adverse effects : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

SECTION 14: Transport information

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

14.1. UN number

UN-No.(DOT) : 2810
DOT NA no. UN2810

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Toxic, liquids, organic, n.o.s.
Class (DOT) : 6.1 - Class 6.1 - Poisonous materials 49 CFR 173.132
Hazard labels (DOT) : 6.1 - Poison



DOT Symbols : G - Identifies PSN requiring a technical name
Packing group (DOT) : III - Minor Danger
DOT Special Provisions (49 CFR 172.102) : IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).
T7 - 4 178.274(d)(2) Normal..... 178.275(d)(3)
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / (1 + a (tr - tf))$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
TP28 - A portable tank having a minimum test pressure of 2.65 bar (265 kPa) may be used provided the calculated test pressure is 2.65 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.
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
Marine pollutant : No

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14.3. Additional information

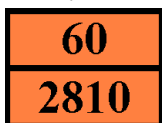
Other information : No supplementary information available.

Overland transport

Packing group (ADR) : III
Class (ADR) : 6.1 - Toxic substances
Hazard identification number (Kemler No.) : 60
Classification code (ADR) : T1
Danger labels (ADR) : 6.1 - Toxic substances



Orange plates :



Tunnel restriction code (ADR) : E
Limited quantities (ADR) : 5l
EAC code : 2X
APP code : B
Excepted quantities (ADR) : E1

Transport by sea

DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other : 40 - Stow "clear of living quarters"
MFAG-No : 153

Air transport

DOT Quantity Limitations Passenger aircraft/rail : 60 L
(49 CFR 173.27)
DOT Quantity Limitations Cargo aircraft only (49 : 220 L
CFR 175.75)
Civil Aeronautics Law : Toxic and infectious substances/Toxic substances(Hazardous materials notice Appended Table 1 Article 194 of the Enforcement Regulations)

14.4. Environmental hazards

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

1,2,3-TRICHLOROPROPANE (D5, 98%) (95% CHEMICAL PURITY) (96-18-4 (Unlabeled))	
Subject to reporting requirements of United States SARA Section 313	
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard

15.2. International regulations

CANADA

1,2,3-TRICHLOROPROPANE (D5, 98%) (95% CHEMICAL PURITY) (96-18-4 (Unlabeled))
Listed on the Canadian DSL (Domestic Substances List)

1,2,3-TRICHLOROPROPANE (D5, 98%) (95% CHEMICAL PURITY)

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15.2.1. National regulations

No additional information available

15.3. US State regulations

1,2,3-TRICHLOROPROPANE (D5, 98%) (95% CHEMICAL PURITY)(96-18-4 (Unlabeled))	
U.S. - California - Proposition 65 - Carcinogens List	Yes
U.S. - California - Proposition 65 - Developmental Toxicity	No
U.S. - California - Proposition 65 - Reproductive Toxicity - Female	No
U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No
State or local regulations	U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

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

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

Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Carc. 1B	Carcinogenicity, Category 1B
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Repr. 1B	Reproductive toxicity, Category 1B
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT SE 1	Specific target organ toxicity — single exposure, Category 1
H301	Toxic if swallowed
H311	Toxic in contact with skin
H319	Causes serious eye irritation
H331	Toxic if inhaled
H350	May cause cancer
H360	May damage fertility or the unborn child
H370	Causes damage to organs
H372	Causes damage to organs through prolonged or repeated exposure
R36	Irritating to eyes
R39/23	Toxic: danger of very serious irreversible effects through inhalation
R45	May cause cancer
R48/24/25	Toxic: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed
R49	May cause cancer by inhalation
R60	May impair fertility
R61	May cause harm to the unborn child
T	Toxic
Xi	Irritant

NFPA health hazard

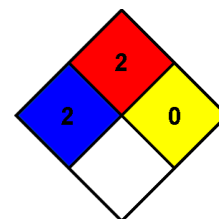
: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard

: 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

NFPA reactivity

: 0 - Material that in themselves are normally stable, even under fire conditions.



1,2,3-TRICHLOROPROPANE (D5, 98%) (95% CHEMICAL PURITY)

DLM-2080

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

HMIS III Rating

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