SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision date 01-Jul-2024 **Revision Number** 1

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

1.1. Product identifier

Product Catalog Number:	Product Description:
40-4140-XX	3% TCA/DCM

Product Code(s)
40-4140-XX

Product Name
Deblocking Mix

Pure substance/mixture Mixture
Contains Dichloromethane; Trichloroacetic acid

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

Recommended use

After February 3, 2025, this chemical substance (as defined in TSCA section 3(2))/product cannot be distributed in commerce to retailers. After January 28, 2026, this chemical substance (as defined in TSCA section 3(2))/product is and can only be distributed in commerce or processed with a concentration of methylene chloride equal to or greater than 0.1% by weight for the following purposes: (1) Processing as a reactant; (2) Processing for incorporation into a formulation, mixture, or reaction product; (3) Processing for repackaging; (4) Processing for recycling; (5) Industrial or commercial use as a laboratory chemical; (6) Industrial or commercial use as a bonding agent for solvent welding; (7) Industrial and commercial use as a paint and coating remover from safety critical, corrosion-sensitive components of aircraft and spacecraft; (8) Industrial and commercial use as a processing aid; (9) Industrial and commercial use for plastic and rubber products manufacturing; (10) Industrial and commercial use as a solvent that becomes part of a formulation or mixture, where that formulation or mixture will be used inside a manufacturing process, and the solvent (methylene chloride) will be reclaimed; (11) Industrial and commercial use in the refinishing for wooden furniture, decorative pieces, and architectural fixtures of artistic, cultural or historic value until May 8, 2029; (12) Industrial and commercial use in adhesives and sealants in aircraft, space vehicle, and turbine applications for structural and safety critical non-structural applications until May 8, 2029; (13) Disposal; and (14) Export, For research use only

Uses advised against

This chemical/product is not and cannot be distributed in commerce (as defined in TSCA section 3(5)) or processed (as defined in TSCA section 3(13)) for consumer paint or coating removal.

1.3. Details of the supplier of the safety data sheet

Manufacturer

Glen Research LLC
22825 Davis Drive
Sterling, VA 20164 USA

For further information, please contact

Company Phone Number 1-703-437-6191

Website www.glenresearch.com

E-mail address support@glenresearch.com

1.4. Emergency telephone number

Emergency Telephone CHEMTREC Customer Number (CCN): 234802 Glen Research Corporation
US: 1-800-424-9300 or Local: +1-703-527-3887
EMEA: +44 20 3885 0382
APAC: +65 3163 8374

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Acute toxicity - Oral	Category 4 - (H302)
Acute toxicity - Dermal	Category 4 - (H312)
Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 1 - (H318)
Carcinogenicity	Category 2 - (H351)
Specific target organ toxicity (single exposure)	Category 3 - (H335)
Category 3 Respiratory irritation	

2.2. Label elements

Contains Dichloromethane; Trichloroacetic acid

Signal word
Danger

Hazard statements
H302 - Harmful if swallowed
H312 - Harmful in contact with skin
H315 - Causes skin irritation
H318 - Causes serious eye damage
H335 - May cause respiratory irritation
H351 - Suspected of causing cancer

Precautionary Statements - EU (§28, 1272/2008)
P201 - Obtain special instructions before use
P264 - Wash face, hands and any exposed skin thoroughly after handling
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER or doctor
P501 - Dispose of contents/ container to an approved waste disposal plant

Additional information
This product requires tactile warnings if supplied to the general public.

2.3. Other hazards

Toxic to aquatic life.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight-%	REACH registration number	EC No. (Index No.)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Dichloromethane 75-09-2	95-99	No data available	200-838-9 (602-004-00-3)	Carc. 2 (H351)	-	-	-
Trichloroacetic acid 76-03-9	1-5	No data available	200-927-2 (607-004-00-7)	Skin Corr. 1A (H314) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	STOT SE 3 :: C>=1%	-	-

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

Acute Toxicity Estimate
If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Dichloromethane 75-09-2	1600	2000	79.5	No data available	No data available
Trichloroacetic acid 76-03-9	3320	2000	No data available	No data available	No data available

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance. Immediate medical attention is required. IF exposed or concerned: Get medical advice/attention.

Inhalation Remove to fresh air. Get medical attention immediately if symptoms occur. IF exposed or concerned: Get medical advice/attention.

Eye contact Get immediate medical attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area.

Skin contact Wash off immediately with soap and plenty of water for at least 15 minutes. If symptoms persist, call a physician.

Ingestion Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician.

Self-protection of the first aider Ensure that medical personnel are aware of the material(s) involved, take precautions to

protect themselves and prevent spread of contamination. Wear personal protective clothing (see section 8). Avoid contact with skin, eyes or clothing.

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

Symptoms Burning sensation.

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

Note to physicians Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical No information available.

Hazardous combustion products Hydrogen chloride. Carbon monoxide. Carbon dioxide (CO2).

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas.

Other information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so. For small spills absorb material on dry rags, cat litter or similar absorbent material and dispose of in the trash.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Soak up with inert absorbent material. Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Avoid breathing vapors or mists. In case of insufficient ventilation, wear suitable respiratory equipment.

General hygiene considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Store locked up.

7.3. Specific end use(s)

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Dichloromethane 75-09-2	TWA: 353 mg/m³ TWA: 100 ppm STEL: 706 mg/m³ STEL: 200 ppm Sk*	TWA: 50 ppm TWA: 175 mg/m³ STEL 200 ppm STEL 700 mg/m³ Sk*	TWA: 50 ppm TWA: 177 mg/m³ STEL: 200 ppm STEL: 706 mg/m³ Sk*	TWA: 353 mg/m³ TWA: 100 ppm STEL: 706 mg/m³ STEL: 200 ppm Sk*	TWA: 100 ppm TWA: 353 mg/m³ STEL: 200 ppm STEL: 706 mg/m³ Sk*
Trichloroacetic acid 76-03-9	-	TWA: 1 ppm TWA: 5 mg/m³	TWA: 1 ppm TWA: 6.8 mg/m³	TWA: 7.0 mg/m³	-

Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Dichloromethane 75-09-2	TWA: 353 mg/m³ TWA: 100 ppm STEL: 706 mg/m³ STEL: 200 ppm Sk*	TWA: 200 mg/m³ Sk* Ceiling: 500 mg/m³	TWA: 35 ppm TWA: 122 mg/m³ STEL: 706 mg/m³ STEL: 200 ppm Sk*	TWA: 35 ppm TWA: 120 mg/m³ STEL: 70 ppm STEL: 250 mg/m³ Sk*	TWA: 50 ppm TWA: 177 mg/m³ STEL: 100 ppm STEL: 353 mg/m³ Sk*
Trichloroacetic acid 76-03-9	-	-	TWA: 1 mg/m³ STEL: 2 mg/m³	-	-

Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
Dichloromethane 75-09-2	TWA: 50 ppm TWA: 178 mg/m³ STEL: 100 ppm STEL: 356 mg/m³ Sk*	TWA: 50 ppm TWA: 180 mg/m³ Sk*	TWA: 50 ppm TWA: 180 mg/m³ Peak: 100 ppm Peak: 360 mg/m³ Sk*	TWA: 100 ppm TWA: 353 mg/m³ STEL: 200 ppm STEL: 706 mg/m³ Sk*	TWA: 100 ppm TWA: 353 mg/m³ STEL: 200 ppm STEL: 706 mg/m³ Sk*
Trichloroacetic acid 76-03-9	TWA: 1 ppm TWA: 5 mg/m³	TWA: 0.2 ppm TWA: 1.4 mg/m³	TWA: 0.2 ppm TWA: 1.4 mg/m³ Peak: 0.2 ppm Peak: 1.4 mg/m³	-	-

Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
Dichloromethane 75-09-2	TWA: 100 ppm TWA: 353 mg/m³ STEL: 200 ppm STEL: 706 mg/m³ Sk*	TWA: 175 mg/m³ TWA: 50 ppm STEL: 353 mg/m³ STEL: 100 ppm Sk*	TWA: 50 ppm TWA: 174 mg/m³	TWA: 120 mg/m³ TWA: 34 ppm STEL: 150 mg/m³ STEL: 42 ppm Sk*	TWA: 35 ppm TWA: 120 mg/m³ STEL: 70 ppm STEL: 250 mg/m³ Sk*
Trichloroacetic acid 76-03-9	TWA: 0.5 ppm STEL: 1.5 ppm	-	TWA: 0.5 ppm TWA: 3.34 mg/m³	TWA: 5 mg/m³	-

Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
Dichloromethane 75-09-2	TWA: 100 ppm TWA: 353 mg/m³ STEL: 200 ppm STEL: 706 mg/m³ Sk*	TWA: 100 ppm TWA: 353 mg/m³ STEL: 200 ppm STEL: 706 mg/m³ Sk*	TWA: 100 ppm TWA: 353 mg/m³ STEL: 200 ppm STEL: 706 mg/m³ Sk*	TWA: 15 ppm TWA: 50 mg/m³ STEL: 45 ppm STEL: 150 mg/m³ Sk*	TWA: 88 mg/m³ STEL: 353 mg/m³ Sk*
Trichloroacetic acid 76-03-9	-	-	-	TWA: 0.75 ppm TWA: 5 mg/m³ STEL: 2.25 ppm STEL: 10 mg/m³	TWA: 2 mg/m³ STEL: 4 mg/m³

Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
Dichloromethane 75-09-2	TWA: 353 mg/m³ TWA: 100 ppm STEL: 706 mg/m³ STEL: 200 ppm Sk*	TWA: 100 ppm TWA: 353 mg/m³ STEL: 200 ppm STEL: 706 mg/m³ Sk*	TWA: 100 ppm TWA: 353 mg/m³ Sk* Ceiling: 706 mg/m³	TWA: 100 ppm TWA: 353 mg/m³ STEL: 200 ppm STEL: 706 mg/m³ Sk*	TWA: 50 ppm TWA: 177 mg/m³ STEL: 100 ppm STEL: 353 mg/m³
Trichloroacetic acid 76-03-9	TWA: 0.5 ppm	-	-	TWA: 1.4 mg/m³ TWA: 0.2 ppm STEL: 0.2 ppm STEL: 1.4 mg/m³	TWA: 1 ppm TWA: 6.8 mg/m³

Chemical name	Sweden	Switzerland	United Kingdom
Dichloromethane 75-09-2	NGV: 35 ppm NGV: 120 mg/m³ Bindande KGV: 70 ppm Bindande KGV: 250 mg/m³ Sk*	TWA: 50 ppm TWA: 177 mg/m³ STEL: 200 ppm STEL: 706 mg/m³ Sk*	TWA: 353 mg/m³ TWA: 100 ppm STEL: 200 ppm STEL: 706 mg/m³ Sk*
Trichloroacetic acid 76-03-9	-	TWA: 1 ppm TWA: 7 mg/m³	-

Biological occupational exposure limits

Chemical name	European Union	Austria	Bulgaria	Croatia	Czech Republic
Dichloromethane 75-09-2	-	-	-	800.0 µg/L - blood (Dichloromethane) - at the end of the work shift 0.3 mg/L - urine (Dichloromethane) - at the end of the work shift 0.04 mol COHb/mol Hb (4%) - blood (Carboxyhemoglobin) - at the end of the work shift	-

Chemical name	Denmark	Finland	France	Germany DFG	Germany TRGS
Dichloromethane 75-09-2	-	-	0.2 mg/L - urine (Dichloromethane) - end of shift 3.5 % - blood (Carboxyhémoglobine sanguine) - end	500 µg/L (whole blood - Dichloromethane immediately after exposure) 500 µg/L - BAT	500 µg/L (whole blood - Dichloromethane immediately after exposure)

			of shift	(immediately after exposure) blood 0.1 mg/L - (during exposure, at least 2 hours after beginning of exposure) - whole blood 0.2 mg/L - (during exposure, at least 2 hours after beginning of exposure) - whole blood 0.5 mg/L - (during exposure, at least 2 hours after beginning of exposure) - whole blood 1 mg/L - (during exposure, at least 2 hours after beginning of exposure) - whole blood	

Chemical name	Hungary	Ireland	Italy MDLPS	Italy AIDII
Dichloromethane 75-09-2	0.3 mg/L (urine - Dichloromethane end of shift) 3.5 µmol/L (urine - Dichloromethane end of shift)	4 % hemoglobin (blood - Carboxyhemoglobin measure at end of shift) 0.3 mg/L (urine - Methylene chloride measure at end of shift) 1 mg/L (blood - Methylene chloride measure at end of shift)	-	0.3 mg/L - urine (Dichloromethane) - end of shift

Chemical name	Latvia	Luxembourg	Romania	Slovakia
Dichloromethane 75-09-2	-	-	5 % Hemoglobin - blood (Carboxyhemoglobin) - end of shift 0.3 mg/L - urine (Methylene chloride) - end of shift 1 mg/L - blood (Methylene chloride) - end of shift	1 mg/L (blood - Dichloromethane end of exposure or work shift) 5 % of hemoglobin (blood - Carboxyhemoglobin end of exposure or work shift)

Chemical name	Slovenia	Spain	Switzerland	United Kingdom
Dichloromethane 75-09-2	500 µg/L - blood (Dichloromethane) - immediately after exposure	0.3 mg/L (urine - Dichloromethane end of shift)	0.5 mg/L (whole blood - Dichloromethane end of shift) 5.9 µmol/L (whole blood - Dichloromethane end of shift) 5 % (whole blood - Carbon monoxide in hemoglobin end of shift)	30 ppm - end-tidal breath (Carbon monoxide) - post shift

Derived No Effect Level (DNEL) No information available.
Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering controls	Showers Eyewash stations Ventilation systems
Personal protective equipment	
Eye/face protection	Tight sealing safety goggles.
Hand protection	Wear suitable gloves. Impervious gloves. Contact glove manufacturer for recommendations. Gloves must conform to standard EN 374.
Skin and body protection	Wear suitable protective clothing. Long sleeved clothing. Protective clothing must conform to standard EN ISO 6529:2013.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.
Environmental exposure controls	No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Clear Liquid
Color	Clear
Odor	Sweet Mild
Odor threshold	214 ppm

Property	**Values**	**Remarks • Method**
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No data available	None known
Flammability	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
pH	No data available	None known
pH (as aqueous solution)	No data available	No information available
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Water solubility	Slightly soluble	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapor pressure	No data available	None known
Relative density	1.312g/mL	None known
Bulk density	No data available	
Liquid Density	No data available	
Relative vapor density	No data available	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	

9.2. Other information

9.2.1. Information with regard to physical hazard classes
Not applicable

9.2.2. Other safety characteristics
No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data
Sensitivity to mechanical impact None.
Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Hazardous polymerization Hazardous polymerization does not occur.

10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

10.5. Incompatible materials

Incompatible materials Strong acids. Strong bases. Strong oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Hydrogen chloride. Carbon monoxide. Carbon dioxide (CO2). Chlorine.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.

Eye contact Specific test data for the substance or mixture is not available. Causes serious eye damage. May cause irreversible damage to eyes.

Skin contact Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).

Ingestion Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Harmful if swallowed. (based on components).

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Redness. Burning. May cause blindness. May cause redness and tearing of the eyes.

Acute toxicity

Numerical measures of toxicity
No information available

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	1,625.30 mg/kg
ATEmix (dermal)	2,000.00 mg/kg
ATEmix (inhalation-gas)	99,999.00 ppm
ATEmix (inhalation-dust/mist)	82.00 mg/l
ATEmix (inhalation-vapor)	99,999.00 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Dichloromethane	= 1600 mg/kg (Rat)	> 2000 mg/kg (Rat)	= 53 mg/L (Rat) 6 h
Trichloroacetic acid	= 3320 mg/kg (Rat)	> 2000 mg/kg (Rat)	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Classification based on data available for ingredients. Causes skin irritation.

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes burns. Causes serious eye damage.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity Contains a known or suspected carcinogen. Classification based on data available for ingredients. Suspected of causing cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	European Union
Dichloromethane	Carc. 2

Reproductive toxicity No information available.

STOT - single exposure May cause respiratory irritation.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Toxic to aquatic life.

Unknown aquatic toxicity Contains 0 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Dichloromethane	EC50: >500mg/L (96h, Pseudokirchneriella subcapitata) EC50: >500mg/L (72h, Pseudokirchneriella subcapitata)	LC50: 140.8 - 277.8mg/L (96h, Pimephales promelas) LC50: 262 - 855mg/L (96h, Pimephales promelas) LC50: =193mg/L (96h, Lepomis macrochirus)	-	EC50: 1532 - 1847mg/L (48h, Daphnia magna) EC50: =190mg/L (48h, Daphnia magna)

12.2. Persistence and degradability

Persistence and degradability Not Likely.

12.3. Bioaccumulative potential

Bioaccumulation

Bioconcentration factor (BCF) log Pow <= 4

Component Information

Chemical name	Partition coefficient
Dichloromethane	1.25

12.4. Mobility in soil

Mobility in soil Not expected to adsorb on soil.

Mobility Soluble in water.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

Chemical name	PBT and vPvB assessment
Dichloromethane	The substance is not PBT / vPvB
Trichloroacetic acid	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects
No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Dispose of in accordance with federal, state and local regulations. Do not reuse empty containers.

SECTION 14: Transport information

IATA

14.1 UN number or ID number	UN2922
14.2 UN proper shipping name	Corrosive liquid, toxic, n.o.s. (Trichloroacetic acid)
14.3 Transport hazard class(es)	8
Subsidiary hazard class	6.1
14.4 Packing group	III
Description	UN2922, Corrosive liquid, toxic, n.o.s. (Trichloroacetic acid), 8 (6.1), III
14.5 Environmental hazards	No
14.6 Special precautions for user	
Special Provisions	A3, A803
ERG Code	8P

IMDG

14.1 UN number or ID number	UN2922
14.2 UN proper shipping name	Corrosive liquid, toxic, n.o.s. (Trichloroacetic acid)
14.3 Transport hazard class(es)	8
Subsidiary hazard class	6.1
14.4 Packing group	III
Description	UN2922, Corrosive liquid, toxic, n.o.s. (Trichloroacetic acid), 8 (6.1), III
14.5 Environmental hazards	No
14.6 Special precautions for user	
Special Provisions	223, 274
EmS-No.	F-A, S-B
14.7 Maritime transport in bulk according to IMO instruments	No information available

RID

14.1 UN number or ID number	UN2922
14.2 UN proper shipping name	Corrosive liquid, toxic, n.o.s. (Trichloroacetic acid)
14.3 Transport hazard class(es)	8
Subsidiary hazard class	6.1
14.4 Packing group	III
Description	UN2922, Corrosive liquid, toxic, n.o.s. (Trichloroacetic acid), 8 (6.1), III
14.5 Environmental hazards	No
14.6 Special precautions for user	
Special Provisions	274
Classification code	CT1

ADR

14.1 UN number or ID number	UN2922
14.2 UN proper shipping name	Corrosive liquid, toxic, n.o.s. (Trichloroacetic acid)
14.3 Transport hazard class(es)	8
Subsidiary hazard class	6.1
14.4 Packing group	III
Description	UN2922, Corrosive liquid, toxic, n.o.s. (Trichloroacetic acid), 8 (6.1), III, (E)

14.5 Environmental hazards No
14.6 Special precautions for user
Special Provisions 274
Classification code CT1
Tunnel restriction code (E)

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

France
Occupational Illnesses (R-463-3, France)

Chemical name	French RG number	Title
Dichloromethane 75-09-2	RG 12	-

Germany
TA Luft (German Air Pollution Control Regulation)

Netherlands

Chemical name	Netherlands - List of Carcinogens	Netherlands - List of Mutagens	Netherlands - List of Reproductive Toxins
Trichloroacetic acid	-	-	Development Category 1B

European Union
Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorizations and/or restrictions on use:
This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
Dichloromethane - 75-09-2	59. 75.	-
Trichloroacetic acid - 76-03-9	75.	-

Persistent Organic Pollutants
Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009
Not applicable

EU - Water Framework Directive (2000/60/EC)

Chemical name	EU - Water Framework Directive (2000/60/EC)
Dichloromethane - 75-09-2	Priority substance

EU - Environmental Quality Standards (2008/105/EC)

Chemical name	EU - Environmental Quality Standards (2008/105/EC)
Dichloromethane - 75-09-2	Priority substance

International Inventories

TSCA	After February 3, 2025, this chemical substance (as defined in TSCA section 3(2))/product cannot be distributed in commerce to retailers. After January 28, 2026, this chemical substance (as defined in TSCA section 3(2))/product is and can only be distributed in commerce or processed with a concentration of methylene chloride equal to or greater than 0.1% by weight for the following purposes: (1) Processing as a reactant; (2) Processing for incorporation into a formulation, mixture, or reaction product; (3) Processing for repackaging; (4) Processing for recycling; (5) Industrial or commercial use as a laboratory chemical; (6) Industrial or commercial use as a bonding agent for solvent welding; (7) Industrial and commercial use as a paint and coating remover from safety critical, corrosion-sensitive components of aircraft and spacecraft; (8) Industrial and commercial use as a processing aid; (9) Industrial and commercial use for plastic and rubber products manufacturing; (10) Industrial and commercial use as a solvent that becomes part of a formulation or mixture, where that formulation or mixture will be used inside a manufacturing process, and the solvent (methylene chloride) will be reclaimed; (11) Industrial and commercial use in the refinishing for wooden furniture, decorative pieces, and architectural fixtures of artistic, cultural or historic value until May 8, 2029; (12) Industrial and commercial use in adhesives and sealants in aircraft, space vehicle, and turbine applications for structural and safety critical non-structural applications until May 8, 2029; (13) Disposal; and (14) Export. This chemical/product is not and cannot be distributed in commerce (as defined in TSCA section 3(5)) or processed (as defined in TSCA section 3(13)) for consumer paint or coating removal. All of the components of this product are listed in the TSCA Inventory or exempt.
DSL/NDSL	Listed or exempt
EINECS/ELINCS	Listed or exempt
ENCS	Listed or exempt
IECSC	Listed or exempt
KECI	Listed or exempt
PICCS	Listed or exempt
AIIC	Listed or exempt

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing Chemicals Inventory
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AIIC - Australian Inventory of Industrial Chemicals

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3
H314 - Causes severe skin burns and eye damage
H351 - Suspected of causing cancer
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects

Legend
SVHC: Substances of Very High Concern for Authorization:

Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	Sk*	Skin designation

Revision date 01-Jul-2024

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)
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End of Safety Data Sheet