

SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Revision number: 1 Revision date: 10/02/2018

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

1.1 Product identifiers

Product name: trans-1,3-Dichloropropene

Product code: D2346

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

Identified uses: Reagents.

1.3 Details of the supplier of the safety data sheet

Supplier:

TCI EUROPE N.V. Boerenveldseweg 6 Haven 1063 B-2070 Zwijndrecht

Telephone: +32(0)3 735 07 00 E-mail: sales-eu@tcichemicals.com

1.4 Emergency telephone number: +32(0)70 245 245

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Category 3 Flammable liquids Acute toxicity (Oral) Category 3 Acute toxicity (Dermal) Category 3 Acute toxicity (Inhalation) Category 3 Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2 Skin sensitization Category 1 Germ cell mutagenicity Category 2 Carcinogenicity Category 2

Specific target organ toxicity - Single exposure [Category 1] Nervous system, Lung Specific target organ toxicity - Single exposure [Category 3] Respiratory tract irritation

Specific target organ toxicity - Repeated exposure [Category 2] Respiratory system, Urinary Bladder, Stomach

Aspiration hazard Category 1
Acute aquatic hazard Category 1
Long-term aquatic hazard Category 1

2.2 Label elements

Pictograms or hazard symbols









Signal word Hazard statements Danger

H226-Flammable liquid and vapour.

H301+H311+H331-Toxic if swallowed, in contact with skin or if inhaled.

H315-Causes skin irritation.
H319-Causes serious eye irritation.
H317-May cause an allergic skin reaction.
H341-Suspected of causing genetic defects.
H351-Suspected of causing cancer.

H370-Causes damage to organs : Nervous system Lung

H373-May cause damage to organs through prolonged or repeated exposure: Respiratory system

Urinary Bladder Stomach

H335-May cause respiratory irritation.

H304-May be fatal if swallowed and enters airways.

H400-Very toxic to aquatic life.

H410-Very toxic to aquatic life with long lasting effects.

Precautionary statements P260-Do not breathe mist, vapours or spray.

P280-Wear protective gloves, protective clothing, face protection.

P301+P310+P331+P330-IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT

induce vomiting. Rinse mouth.

P302+P352+P312+P361+P364-IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or doctor if you feel unwell. Take off immediately all contaminated clothing and wash it before

euse.

P304+P340+P311-IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a

POISON CENTER or doctor.

P305+P351+P338+P337+P313-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable vPvB: Not applicable

SECTION 3: Composition/information on ingredients

3.1 Substances

Components: trans-1,3-Dichloropropene

 Percent:
 >98.0%(GC)

 CAS RN:
 10061-02-6

 Chemical Formula:
 C3H4Cl2

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON

CENTER or doctor/physician.

Skin contact: Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water.

Call a POISON CENTER or doctor/physician.

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

Call a POISON CENTER or doctor/physician.

Ingestion: Call a POISON CENTER or doctor/physician. Rinse mouth.

Protection of first-aiders: A rescuer should wear personal protective equipment, such as rubber gloves and air-tight goggles.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Dry chemical, foam, water spray, carbon dioxide.

Unsuitable extinguishing media: Solid streams of water

5.2 Special hazards arising from the

substance or mixture

Carbon monoxide, carbon dioxide etc

5.3 Advice for firefighters Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according

to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Keep containers cool by spraying with water. Eliminate all ignition sources if

safe to do so. When extinguishing fire, be sure to wear personal protective equipment

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use extra personal protective equipment (self-contained breathing apparatus). Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Entry to non-involved personnel should be

controlled around the leakage area by roping off, etc

6.2 Environmental precautionsBe careful not to let it flow into rivers, etc., since adverse effects on the environment are concerned

6.3 Methods and materials for containment and cleaning up

Absorb spilled material in dry sand or inert absorbent before recovering it into an airtight container. In case of large amount of spillage, contain a spill by bunding. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations. Remove all sources of ignition. Fire-extinguishing devices should be prepared in case of a fire. Use spark-proof tools and

explosion-proof equipment.

6.4 Reference to other sections For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent

generation of vapour or mist. Keep away from heat/sparks/open flame/hot surfaces. -No smoking. Take measures to prevent the build up of electrostatic charge. Use explosion-proof equipment. Wash hands and face thoroughly after handling. Use a closed system if possible. Use a ventilation, local exhaust if

vapour or aerosol will be generated. Avoid all contact!

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Store in an explosion-poof freezer. Store under inert gas. Store locked up. Store away from incompatible materials such as oxidizing agents.

Heat-sensitive, Air-sensitive

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters No data available

8.2 Exposure controls Install a closed system or local exhaust. Also install safety shower and eye bath.

Respiratory protection: Half or full facepiece respirator, self-contained breathing apparatus(SCBA), supplied air respirator, etc.

Use respirators approved under appropriate government standards and follow local and national

regulations.

Hand protection: Impervious gloves.

Eye protection: Safety goggles. A face-shield, if the situation requires.

Skin and body protection: Impervious protective clothing. Protective boots, if the situation requires.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state (20°C): Liquid Form: Clear

Colorless - Pale yellow

Odour: Pungent

pH: No data availableMelting point/freezing point: No data available

Boiling point/range: 112°C **Flash point:** 21°C

Evaporation rate(Butyl Acetate=1): No data available **Flammability(solid, gas):** No data available

Flammability or explosive limits:

Lower: 5.3% **Upper:** 14.5%

Vapour pressure:No data available.Vapour density:No data available

Relative density: 1.22

Solubility(ies): [Water]

[Water] Very slightly soluble

[Other solvents]

Soluble: Ether, Benzene, Chloroform

Partition coefficient: 1.41 n-octanol/water:

Autoignition temperature:

Decomposition temperature:

Dynamic Viscosity:

Kinematic viscosity:

No data available
No data available
No data available
No data available

9.2 Other safety information No data available

SECTION 10: Stability and reactivity

10.1 Reactivity No data available

10.2 Chemical stability Stable under proper conditions.

10.3 Possibility of hazardous reactions No special reactivity has been reported.

10.4 Conditions to avoid Spark, Open flame, Static discharge

10.5 Incompatible materials Oxidizing agents, Metals

10.6 Hazardous decomposition products Carbon monoxide, carbon dioxide etc

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute Toxicity:No data availableSkin corrosion/irritation:No data availableSerious eye damage/irritation:No data availableRespiratory or skin sensitization:No data available

Germ cell mutagenicity: mmo-sat 20 ug/plate(+/-S9) dns-hmn-hla 100 umol/L

Carcinogenicity:

IARC = Group 2B (Possibly carcinogenic to humans)
NTP = b (Reasonably anticipated to be carcinogens)

Reproductive toxicity:
STOT-single exposure:
No data available
STOT-repeated exposure:
No data available
Aspiration hazard:
No data available
RTECS Number:
UC8320000

SECTION 12: Ecological information

12.1 Toxicity

Fish: No data available
Crustacea: No data available
Algae: No data available

12.2 Persistence and degradability No data available

12.3 Bioaccumulative potential <2.5(conc. 34.6 ug/L), <26(conc. 26 ug/L)

12.4 Mobility in soil

Log Pow: 1.4°

Soil adsorption (Koc): No data available Henry's Law (PaM ³/mol): No data available

12.5 Results of PBT and vPvB assessment

PBT: Not applicable vPvB: Not applicable

12.6 Other adverse effectsNo data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recycle to process, if possible. Consult your local regional authorities. You may be able to burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

SECTION 14: Transport information

14.1 UN number 2047

14.2 UN proper shipping name

ADR/RID Dichloropropenes
IMDG/IMO Dichloropropenes
ICAO/IATA Dichloropropenes

14.3 Transport hazard class(es)

ADR/RID 3: Flammable liquid IMDG/IMO 3: Flammable liquid ICAO/IATA 3: Flammable liquid

14.4 Packaging group

ADR/RID || IMDG/IMO || IL ICAO/IATA || IL

14.5 Environmental hazards

Marine pollutant Y

14.6 Special precautions for user No data available

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Substance of Very High Concern (SVHC) according to the Not listed

REACH Regulations (EC) No.1907/2006

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

Prepared by: TCI EUROPE N.V. Issue date: 10/02/2018

This SDS was prepared sincerely on the basis of the information we could obtained, however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority. The products are supposed to be used promptly after purchase in consideration of safety. Some new information or amendments may be added afterwards. If the products are to be used far behind the expected time of use or you have any questions, please feel free to contact us. The stated cautions are for normal handling only. In case of special handling, sufficient care should be taken, in addition to the safety measures suitable for the situation. All chemical products should be treated with the recognition of "having unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the conditions and duration of storage. The products must be handled only by those who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility.

End of Safety Data Sheet