



Certificate No. : 6709-002

Shree Jay Ambe

**Jay Dinesh Chemicals**  
Quality is Priority

Office Add:- 303/304 Murlidhar complex,  
Opp Fathepura Post office,  
Bhattha, Paldi, Ahmedabad- 3800 007  
Gujarat, INDIA.

Teli :+91 79 26608664/ 79 26608667

9974013523/ 9909949962

Email:- Info@jaydinesh.com ; export@jaydinesh.com



since 1981

Factory: Plot No.184-186, Nr. Clearis Life Science,  
Vill Chacharwadi vasana, Sarkhej bavla highway,  
TA, Sanand, Dist. Ahmedabad- 382 213  
Gujarat, INDIA.

Teli: +91 2717 294247 / 7817 013055

+91 9979317523

Websight: www.jaydinesh.com

## SAFTEY DATA SHEET

### Trichloroethylene

#### 1 Identification

##### Product identifier

Trade name: Trichloroethylene

CAS Nuber: 79-01-6

EC number: 201-167-4

##### Application of the substance / the mixture

For industrial use only.

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

##### Manufacturer/Supplier

Manufactured by: Jay Dinesh Chemical Survey No. 184 to 186, Nr. Claris Village Chacharawadi – Vasna,  
Sarkhej Bawla Highway, Ta. Sanad, Dist Ahmedabad–382213.

##### Information department

Customer Service Department - Jay Dinesh Chemicals

Contact: Mis. Jyoti. Chauhan.

e-mail: exports@jaydinesh.com

##### Emergency telephone number

During normal opening time:- +917878730626

#### 2 Hazard(s) Identification

##### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard  
Communication Standard

Acute toxicity, oral

Acute toxicity, inhalation

Skin corrosion/irritation

Serious eye damage/eye irritation

Sensitization, skin

Specific target organ toxicity, single exposure

##### Label elements

##### Hazard pictograms





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## Signal word: **Danger**

### Hazard statements

- Causes skin irritation
- Causes serious eye irritation
- May cause an allergic skin reaction
- May cause drowsiness or dizziness
- Suspected of causing genetic defects
- May cause cancer
- May cause damage to organs through prolonged or repeated exposure

### Precautionary statements

- |                   |  |
|-------------------|--|
| <b>Prevention</b> | <ul style="list-style-type: none"> <li>Obtain special instructions before use</li> <li>Do not handle until all safety precautions have been read and understood</li> <li>Use personal protective equipment as required</li> <li>Wash face, hands and any exposed skin thoroughly after handling</li> <li>Contaminated work clothing should not be allowed out of the workplace</li> <li>Do not breathe dust/fume/gas/mist/vapors/spray</li> <li>Use only outdoors or in a well-ventilated area</li> <li>Wear protective gloves/protective clothing/eye protection/face protection</li> </ul> |
| <b>Response</b>   | IF exposed or concerned: Get medical attention/advice  |
| <b>Storage</b>    | Store locked up, Store in a well-ventilated place. Keep container tightly closed   |
| <b>Disposal</b>   | Dispose of contents/container to an approved waste disposal plant  |

### Supplemental Hazard

### Statements

### Other hazards

### Lachrymator

## 3 Composition/information on ingredients

### Chemical characterization: Substances

Product name :Trichloroethylene

CAS number:79-01-6

## 4 First-Aid Measures

### Description of first aid measures

**After inhalation:** Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.

**After skin contact:** Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call

**After eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.



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**After swallowing:** If symptoms persist consult doctor.

**Information for doctor:**

**Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

## 5 Fire-Fighting Measures

**Extinguishing media**

**Suitable extinguishing agents:**

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

**Special hazards arising from the substance or mixture:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Advice for firefighters**

**Protective equipment:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH

## 6 Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:** Ensure adequate ventilation. Use personal protective equipment as required.

**Environmental precautions:** Should not be released into the environment.

**Methods and material for containment and cleaning up:**

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal

## 7 Handling and Storage

**Handling:**

**Precautions for safe handling**

Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation.

**Storage**

Keep in a dry, cool and well-ventilated place. Refer product specification and/or product label for specific storage temperature requirement. Keep container tightly closed. Keep at temperatures below 60°C.

## 8 Exposure Controls/Personal Protection

**Additional information about design of technical systems:** No further data; see item 7.

**Control parameters**



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**Components with limit values that require monitoring at the workplace:** Not required.

**Additional information:** The lists that were valid during the creation were used as basis.

#### Exposure controls

#### Personal protective equipment:

#### General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

#### Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

#### Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

#### Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

#### Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be

#### Eye protection:



Tightly sealed goggles

## 9 Physical and Chemical Properties

### Information on basic physical and chemical properties

#### General Information

<b>Appearance:</b>	Liquid
<b>Odor:</b>	Characteristic
<b>Odor threshold :</b>	No information available

<b>pH-value:</b>	No information available
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#### Change in condition

<b>Melting point/Melting range:</b>	-85 °C / -121 °F
<b>Boiling point/Boiling range:</b>	87 °C / 188.6 °F



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<b>Specific gravity / density</b>	1.46
<b>Flash point:</b>	No information available
<b>Flammability (solid, gaseous):</b>	Not applicable.
<b>Ignition temperature:</b>	
<b>Decomposition temperature:</b>	Not determined
<b>Auto igniting:</b>	Not determined
<b>Danger of explosion:</b>	No data available
<b>Explosion limits:</b>	
<b>Lower:</b>	10.5 vol %
<b>Upper:</b>	8 vol %
<b>Vapor pressure:</b>	77.3 mbar @ 20 °C
<b>Vapor Density:</b>	4.5 (Air = 1.0).
<b>Relative density:</b>	Not determined.
<b>Vapor density:</b>	Not determined.
<b>Evaporation rate:</b>	Not applicable.
<b>Solubility in / Miscibility with Water:</b>	Slightly soluble in water
<b>Partition coefficient (n-octanol/water):</b>	Not applicable.
<b>Viscosity:</b>	0.55 mPa.s (25°C)

## 10 Stability and Reactivity

**Reactivity :** The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability :** Material is stable under normal conditions.

**Possibility of hazardous reactions:** No dangerous reaction known under conditions of normal use.

**Conditions to avoid:** Avoid temperatures exceeding the flash point. Contact with incompatible materials.

**Incompatible materials:** Strong oxidizing agents. Strong acids. Contact with strong oxidizers may cause fire or explosion.

**Hazardous decomposition products:** At thermal decomposition temperatures, carbon monoxide and carbon dioxide.

## 11 Toxicological Information

### Information on toxicological effects

#### Acute toxicity:

LD50 Oral - Rat: 502 - 638 mg/kg

LC50 Inhalation - Rat - male and female: > 2.1 mg/l (4h)  
(OECD Test Guideline 403)

Dermal: No data available





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#### Primary irritant effect:

**on the skin:**

Causes skin irritation. May cause an allergic skin reaction.

**on the eye:**

Causes serious eye irritation.

**Sensitization:**

mouse

Result: Does not cause skin sensitization. (OECD Test Guideline 429)

#### Additional toxicological information:

**Carcinogenic categories**

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification

**IARC (International Agency for Research on Cancer):**

No component of this product, present at levels greater than or equal to 0.1%, is identified as probable, possible or confirmed human carcinogen by IARC

**NTP (National Toxicology Program):**

No component of this product, present at levels greater than or equal to 0.1%, is identified as a known or anticipated carcinogen by NTP.

**OSHA-Ca (Occupational Safety & Health Administration) :**

No component of this product, present at levels greater than or equal to 0.1%, is identified as a carcinogen or potential carcinogen by OSHA.

## 12 Ecological Information

#### Toxicity

**Aquatic toxicity:**

No further relevant information available.

**Persistence and degradability:**

No further relevant information available.

**Behavior in environmental systems**

**Bioaccumulative potential:**

No further relevant information available.

**Mobility in soil:**

No further relevant information available.

**Additional ecological information:**

**General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach

**Results of PBT and vPvB assessment**

**PBT:**

Not applicable.

**vPvB:**

Not applicable.

**Other adverse effects:**

No further relevant information available.



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### 13 Disposal Considerations (non-mandatory)

#### Waste treatment methods

##### Recommendation:

Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations

#### Uncleaned packagings

**Recommendation:** Disposal must be made according to official regulations

### 14 Transport Information (non-mandatory)

#### UN-Number

DOT, ADR, ADN, IMDG, IATA Void

#### UN proper shipping name

DOT, ADN, IMDG, IATA Void

ADR Void

#### Transport hazard class(es)

##### DOT

Class Void

#### ADR, ADN, IMDG, IATA

Class Not restricted for transport

#### Packing group

DOT, ADR, IMDG, IATA Void

#### Environmental hazards

Marine pollutant No

Special precautions for user Not applicable.

UN "Model Regulation" Void

### 15 Regulatory Information (non-mandatory)

#### substance or mixture

**Section 355 (extremely hazardous substances):** Substance is not listed.

**Section 313 (Specific toxic chemical listings):** Substance is not listed.

**TSCA (Toxic Substances Control Act):** Substance is listed.

#### Proposition 65

**Chemicals known to cause cancer:** Substance is not listed.

**Chemicals known to cause reproductive toxicity for females:** Substance is not listed.



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**Chemicals known to cause reproductive toxicity for males:**

Substance is not listed.

**Chemicals known to cause developmental toxicity:**

Substance is not listed.

**Carcinogenic categories**

**EPA (Environmental Protection Agency):**

Substance is not listed.

**TLV (Threshold Limit Value established by ACGIH):**

Substance is not listed.

**NIOSH-Ca (National Institute for Occupational Safety and Health):**

Substance is not listed.

**GHS label elements:**

The substance is classified and labeled according to the

**Hazard pictograms**



**GHS05**

**Signal word:**

warning

**Hazard statements:**

Causes serious eye damage.

**Precautionary statements:**

Wear eye protection / face protection. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

**Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

## 16 Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Department issuing SDS:** Quality Control Department

**Contact:**

**e-mail:** [exports@jaydinesh.com](mailto:exports@jaydinesh.com)

**Date of preparation / last revision** 04/18/2019 / -

**Abbreviations and acronyms:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) Eye Dam. 1: Serious eye damage/eye irritation – Category 1

**Data compared to the previous version altered.**

Revision Information: 01/2016, Sections 1, 2 revised - Information department and GHS label.

Revision Information: 01/2017, Added new ABCT Logo