


Safety Data Sheet

Trichloroethylene

SECTION I - IDENTIFICATION

	<p>Transchem, Inc. 2141 Palomar Airport Rd. Suite 125 Carlsbad, CA 92011 (800) 783-2436 Chemtel Emergency Response :. (800) 255-3924</p>
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PRODUCT NUMBER: TCE
PRODUCT NAME: Trichloroethylene
CHEMICAL FAMILY:
CAS NUMBER: 79-01-6
DATE PREPARED: 2/11/2016
REVISION NUMBER: 1/2/2016

SECTION II - HAZARDOUS IDENTIFICATION

GHS CLASSIFICATION:

Classification

Acute Toxicity, Oral	Category 5
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 1
Serious Eye Damage/Eye Irritation	Category 2A
Sensitization, Respiratory	Category 1
Germ Cell Mutagenicity	Category 2
Carcinogenicity	Category 1A, 1B
Specific target organ toxicity, single exposure	Category 2
Hazardous to the aquatic environment, acute hazard	Category 3
Hazardous to the aquatic environment, long-term hazard	Category 3

DANGER!

GHS LABEL:



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Hazard Statements

H303	May be harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H341	Suspected of causing genetic defects
H350	May cause cancer
H371	May cause damage to organs
H402	Harmful to aquatic life
H412	Harmful to aquatic life with long lasting effects

Precautionary Statements

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/vapours/spray.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required.
P285	In case of inadequate ventilation wear respiratory protection.
P302+352	IF ON SKIN: Wash with soap and water.
P304+341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so - continue rinsing.
P308+313	IF exposed or concerned: get medical advice/attention.
P309+311	IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician.
P310	Immediately call a POISON CENTER or doctor/physician.
P312	Call a POISON CENTER or a doctor/physician if you feel unwell.
P332+313	If skin irritation occurs: get medical advice/attention.
P337+313	If eye irritation persists get medical advice/attention.
P342+311	Call a POISON CENTER or doctor/physician.

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- P362 Take off contaminated clothing and wash before reuse.
- P391 Collect spillage.
- P405 Store locked up.
- P501 Dispose of contents/container to an approved waste disposal plant.

SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS

The precise composition of this product is proprietary information. In the event of a medical emergency, a complete disclosure will be provided to medical personnel.

Component Name	CAS #	Component%	OSHA PEL	ACGIH TLV
Trichloroethylene	79-01-6	100%	50 ppm	50 ppm

SECTION IV - FIRST AID MEASURES

Contact with eyes: Flush with water for 15 minutes. Seek immediate medical attention.

Skin contact: Wash exposed areas with water and mild soap. Remove contaminated clothing immediately and launder before reuse. If irritations persist, seek immediate medical attention.

Inhalation: Remove victim to fresh air. Administer oxygen or artificial respiration if breathing is affected or stopped. Seek immediate medical attention.

Ingestion: If swallowed. Do not induce vomiting. Seek immediate medical attention.

SECTION V - FIREFIGHTING MEASURES

Suitable Extinguishing Media: Water fog, foam, CO2, dry chemical.

Special Fire Fighting Procedures Use self-contained breathing apparatus and full bunker gear in fire areas. Evacuate all unprotected personnel from area. Keep containers cool with water fog to minimize swelling taking care not to spread flames with water used for cooling.

Unusual Fire Fighting Hazards: Product is flammable and may be ignited by heat, sparks, flames or other sources of ignition (e.g., static electricity, pilot lights or mechanical/electrical equipment). Vapors are heavier than air and may accumulate in low areas. Vapors may travel considerable distances to a source of ignition where they can ignite, flashback or explode. May create vapor/air explosion hazard indoors, outdoors or in sewers. If container is not properly cooled, it can explode in the heat of a fire.

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SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Evacuate all unprotected personnel from the area.

Environmental Precautions: Notify proper authorities. Reportable Quantity is 100 pounds or 13 gallons.
Contain spill if it can be done with minimal risk.
Notify proper authorities. Reportable quantity is 100 pounds or 8 gallons.

Methods for Cleaning Up: Using only non-sparking tools and explosion proof equipment, collect spill on absorbent material and put into approved container.

SECTION VII - HANDLING AND STORAGE

Handling and Storage: • NFPA Class III B storage.

SECTION VIII - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

EXPOSURE LIMITS:

Component Name	CAS #	OSHA PEL	ACGIH TLV
Trichloroethylene	79-01-6	50 ppm	50 ppm

Engineering Controls: Adequate local or mechanical ventilation to reduce vapor or mist to below the PEL or TLV.

Monitoring: Follow accepted work practices for handling a flammable material.
Do not eat, drink or smoke in areas where this chemical is used or stored.
Have eye wash stations and safety showers readily available.

Personal Protective Equipment (PPE)

Eye Protection: Goggles or approved OSHA device with side shields; do not wear contact lenses when handling this product.

Skin Protection: Impervious solvent resistant gloves.
Impervious apron and work boots recommend where splashing may occur.

Respiratory Protection: Use the proper respirator in areas where the chemical exposure is unknown or above the OSHA PEL or ACGIH TLV.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

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Appearance	Clear Liquid
Odor	Mildly Sweet Odor
pH@25°C	-
Melting/Freezing Point	N/A
Flashpoint	None, TCC
Specific Gravity	1.45
Solubility	Negligible
Auto-Ignition Temperature	-
Decomposition Temperature	-
VOC Content	100%
Odor Threshold	-
Boiling Range	188°F
Evaporation Point	0.3 (Ether=1)
Flammable Limits - Upper	10.5% in Air at 25°C
Flammable Limits - Lower	8% in Air at 25°C
Vapor Pressure	58 mmHg @ 20°C
Vapor Density (Air=1)	4.5 (Air=1)
Viscosity	-

SECTION X - STABILITY AND REACTIVITY

Stability: Stable, under normal conditions of storage and handling.

Conditions to Avoid: Extreme heat and ignition sources.

Hazardous Decomposition/Byproducts: CO, CO2, and noxious smoke under extreme fire conditions

Hazardous Polymerization: Will not occur.

Polymerization Conditions to Avoid: None

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SECTION XI - TOXICOLOGICAL INFORMATION

Likely Route of Exposure: Contact and inhalation; ingestion possible.

Inhalation: Low to moderate degree of toxicity by inhalation.
May cause respiratory tract irritation. Inhalation of vapors may cause drowsiness and dizziness.

Eye Contact: Causes eye irritation including stinging, watering and redness which may result in corneal injury.
High vapor concentrations are irritating to the eyes.

Skin Contact: Contact may cause mild skin irritation including redness, burning and drying/cracking of the skin.
Repeated or prolonged contact with large amounts of this material may result in absorption through the skin to produce toxic effects.

Ingestion: Aspiration hazard. Can enter the lungs during swallowing or vomiting and cause chemical pneumonia and edema.

Toxicity:

Component Name	LD50	LC50
Trichloroethylene	Oral - Rat - 4,920 mg/kg; Dermal - Rabbit - > 20,000 mg/kg	Inhalation - Mouse - 4 h - 8450 ppm

Reproductive Effects	Teratogenicity	Mutagenicity	Embryotoxicity	Sensitization to Product	Synergistic Products
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicity: Information not available.

Mobility: Information not available.

Degradability: Information not available.

BioAccumulation: Information not available.

SECTION XIII - WASTE DISPOSAL CONSIDERATIONS

Follow Federal, state, and local regulations.

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SECTION XIV - TRANSPORT INFORMATION

DOT SHIPPING INFORMATION

Proper Shipping Name: Trichloroethylene

Contains:

Hazard Class and Label: 6

Identification Number: UN 1710

Packaging Group: III

SECTION XV - REGULATORY INFORMATION

TSCA STATUS:..... The components of this product are listed on the TSCA Inventory

SARA TITLE III SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCE:

No chemicals in this material are subject to the reporting requirements.

SARA TITLE III SECTION 311/312 HAZARD CATEGORIZATION:

Acute	Chronic	Fire	Pressure	Reactive
X	X			

SARA TITLE III SECTION 313 SUPPLIER INFORMATION:

Component Name	CAS #	% by wt.
Trichloroethylene	79-01-6	100%

CERCLA SECTION 102(a) HAZARDOUS SUBSTANCE:

Component Name	CAS #	% by wt.	RQ (lbs.)
Trichloroethylene	79-01-6	100%	100

SECTION XVI - OTHER INFORMATION

HMIS Health: 2

HMIS Flammability: 0

HMIS Reactivity: 1

Additional: Revision Date: January 2, 2016

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Specification Information

Department issuing data sheet: Compliance

Email address: compliance@transcheminc.com

Training necessary: Follow all Federal, State and local regulations.

Disclaimer:

Seller and manufacturer disclaim any implied or expressed warranties, including warranties of merchantability or fitness of this product for any particular purpose. In no event shall seller be liable for any claim for incidental or consequential damages arising out of or in connection with the sale, delivery, transportation or use of this product. Seller's and manufacturer's liability in all events is limited to, and shall not exceed the purchase price paid for this product.