

# MATERIAL SAFETY DATA SHEET

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GENERAL INFORMATION NUMBER: (414) 354-6417  
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## I - Product Identification

### Non-Flammable Safety Solvent

PRODUCT CODE: 0310

CHEMICAL FORMULATION: Solvent based cleaner.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 0  
HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

## II - Hazardous Ingredients

Values reported as TWA unless noted.

<u>SUBSTANCE</u>	<u>APPROX</u> <u>%</u>	<u>OSHA</u> <u>PEL</u>	<u>ACGIH</u> <u>TLV</u>	<u>EPA 40 CFR:</u>			<u>CAS #</u>
				<u>302</u>	<u>355</u>	<u>372</u>	
Trichloroethylene	> 90.0	50 ppm	50 ppm	Y	N	Y	79-01-6

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit  
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No  
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).  
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).  
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

## III - Physical Data

BOILING POINT (°F): 188.4 SPECIFIC GRAVITY (WATER = 1): 1.46  
VAPOR PRESSURE (mm Hg): 59 @ 20 °C VOC CONTENT (% by weight): > 90  
VAPOR DENSITY (AIR = 1): 4.54 EVAPORATION RATE (WATER = 1): > 1.0  
SOLUBILITY IN WATER: Insoluble pH: N/A  
APPEARANCE AND ODOR: Clear, water-white liquid; chlorinated solvent odor.

## IV - Fire and Explosion Hazard Data

FLASH POINT (°F): > 200 (TEST METHOD): Closed cup  
FLAMMABLE LIMITS IN AIR (VOLUME %) UPPER: 10.5 LOWER: 8  
EXTINGUISHING MEDIA: Use media for surrounding fire.  
SPECIAL FIRE FIGHTING PROCEDURES: Cool fire exposed containers with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.  
UNUSUAL FIRE AND EXPLOSION HAZARD: Product can be ignited with high-intensity sources of heat, such as some sparks and flames, or at high temperatures and pressures. This can occur at concentrations in air of about 8.0-10.5%.

### V - Reactivity Data

**STABILITY:** Stable

**INCOMPATIBILITY:** Alkali and alkaline earth metals such as sodium, potassium and barium; caustic soda, caustic potash or oxidizing materials.

**CONDITIONS TO AVOID:** None.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce hydrogen chloride and traces of phosgene.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** None

### VI - Health Hazard Data

**ROUTES OF ENTRY**      **INHALATION:** X      **EYE CONTACT:** X      **SKIN CONTACT:** X      **INGESTION:** X  
**INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS:**

Trichloroethylene (IARC 2A)

#### EFFECTS OF OVEREXPOSURE

**IF IN EYES:** Severe irritation.

**IF ON SKIN:** Redness, dryness, irritation, dermatitis with prolonged or repeated exposure. Possible chemical burns.

**IF SWALLOWED:** Gastrointestinal irritation, CNS depression. Aspiration may be a hazard.

**IF INHALED:** Irritation to upper respiratory tract, CNS depression, cardiac sensitization.

#### EMERGENCY AND FIRST AID PROCEDURES

**IF IN EYES:** Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. Obtain medical attention.

**IF ON SKIN:** Flush skin with water while removing contaminated clothing and shoes. Continue washing with soap and water. If irritation persists, obtain medical attention. Wash contaminated clothing separately before reuse.

**IF SWALLOWED:** Contact physician or poison control center immediately. Rinse mouth with water and give affected person 1 to 2 glasses of water. Do not induce vomiting. Never give anything to an unconscious person.

**IF INHALED:** Remove person to fresh air. If breathing has stopped, administer artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.

### VII - Spill or Leak Protection

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Ventilate area. Remove all sources of ignition. Contain spill. Soak up spilled material with inert absorbent material and place in a labeled closed container.

**WASTE DISPOSAL METHOD:** Consult local environmental authorities.

### VIII - Special Protection Information

**RESPIRATORY PROTECTION:** Use with adequate ventilation. Do not breathe vapors or mists. If recommended Exposure Limits are exceeded, wear a NIOSH approved respirator, following the manufacturer's recommendations.

**VENTILATION**

**LOCAL:** Recommended

**MECHANICAL:** Recommended

**PROTECTIVE GLOVES:** Chemical resistant.

**EYE PROTECTION:** Safety goggles or face shield.

**OTHER PROTECTIVE EQUIPMENT:** Eye wash station.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in a cool, dry place away from heat, sparks or open flame. Keep container tightly closed when not in use. Keep away from foodstuffs.

**OTHER PRECAUTIONS:** Keep out of reach of children.

### IX - Transportation Information (ground information only)

**DOT ID #:** UN1710

**DOT PROPER SHIPPING NAME:** Trichloroethylene

**DOT CLASS:** 6.1

**DOT PACKING GROUP:** III

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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