



COLUMBUS CHEMICAL INDUSTRIES INC.

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Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (as Used on Label and List)

Trichloroethylene

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturers /Distributor Address Number Street City State and Zip Code

Columbus Chemical Industries, Inc.

N4335 Temkin Rd

Columbus, WI 53925-0008

Emergency Telephone Number

CHEMTREC 1-800-424-9300

Telephone Number for Information

920-623-2140

Date Prepared

08-02-2006

Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Table with 6 columns: Hazardous Components (Specific Chemical Identity, Common Name(s)), CAS #, OSHA PEL, ACGIH TLV, Other Limits Recommended, % (optional). Row 1: Trichloroethylene\* \*\* \*\*\*, 79-01-6, 100 ppm, 50 ppm, 200 ppm Ceiling.

\*Synonym: Acetylene trichloride; Ethylene trichloride; 1-Chloro-2,2-Dichloroethylene; TCE

\*\*Subject to SARA Section 313 Reporting Requirements.

\*\*\* This product contains a chemical known to the state of California to cause cancer.

Section III - Physical/Chemical Characteristics

Table with 4 columns: Property, Value 1, Property, Value 2. Rows: Boiling Point (87°C (189°F)), Specific Gravity (H2O = 1) (1.46), Vapor Pressure (mm Hg) @ 20 °C (58 mmHg), Melting Point (-85°C (-121°F)), Vapor Density (AIR = 1) (4.53), Evaporation Rate (Butyl Acetate = 1) (Not available).

Solubility in Water

Insoluble

Appearance and Odor

Clear, colorless liquid, sweet chloroform-like odor.

Section IV Fire and Explosion Hazard Data

Table with 4 columns: Flash Point (Method Used), Flammable Limits, LEL, UEL. Row 1: Combustible but burns with difficulty, [blank], 8%, 10.5%.

Extinguishing Media

Use extinguishing media appropriate for surrounding fire.

Special Fire Fighting Procedures

In the event of a fire, wear full protective clothing and NIOSH/MSHA-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Unusual Fire and Explosion Hazards

Emits toxic fumes under fire conditions. Toxic! Autoignition temp 420°C (788°F)

**Section V Reactivity Data**

Stability	Unstable		Conditions to Avoid	Light, moisture
	Stable	X		

**Incompatibility Materials to Avoid**

Strong caustics and alkalis, chemically active metals such as barium, lithium, sodium, magnesium.

**Hazardous Decomposition or Byproducts**

Phosgene, hydrogen cyanide.

**Hazardous Polymerization****Conditions to Avoid**

	May Occur		Not available.
	Will Not Occur	X	

**Section VI Health Hazard Data**

Routes of Entry	Inhalation ?	Skin ?	Ingestion ?
	Yes	Yes	Yes

**Health Hazards (Acute and Chronic)**

SKIN: May cause irritation, readily absorbed through the skin. EYE: Causes eye irritation. INHALATION:

Irritating to the mucous membranes and upper respiratory tract. INGESTION: Toxic by ingestion.

**Chronic: Possible cancer causing agent.**

Carcinogenicity	NTP	IARC Monographs	OSHA REGULATED?
	Reasonable	Group 2A-Possible	Not listed

**Signs and Symptoms of Exposure.**

Irritation to eyes, skin, mucous membranes and upper respiratory tract characterized by itching, redness, swelling and

and numbness in fingers. Vomiting, diarrhea, upon ingestion. INHALATION: coughing, wheezing, shortness of breath.

Medical Conditions Generally Aggravated by Exposure Expected to aggravate asthma, emphysema and other respiratory diseases upon

inhalation. Expected to aggravate pre-existing dermatitis upon skin contact.

Emergency and First Aid Procedures EYES /SKIN: Immediately flush with large amounts of water for at least 15 minutes.

Remove contaminated clothing. Assure adequate flushing of eyes by separating eyelids with fingers. INHALATION:

remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. INGESTION:

DO NOT induce vomiting. Give 1-2 cupfuls of water. Call Physician.

**Section VII Precautions for Safe Handling and Use**

Steps to be Taken in Case Material is Released or Spilled Evacuate unprotected personnel from area. Ventilate area. Wear respirator, rubber boots, heavy protective gloves and chemical safety goggles. absorb spilled material on noncombustible absorbant.

Collect and place in plastic container for disposal. Wash spill area with water after pickup is complete.

Waste Disposal Method Dispose of spillage in accordance with all Federal, state, and local regulations.

Precautions to be Taken in Handling and Storing Store in tightly-closed, plainly-labelled containers. Protect against moisture and light .

Maintain adequate ventilation. Wash thoroughly after handling. Protect exposed tissues.

Other Precautions Containers, even when empty, will retain residue and vapors. Always obey hazard warnings and handle empty containers as if they were full. Do not breathe vapor.

**Section VII Control Measures**

Respiratory Protection (Specify Type) NIOSH / MSHA-approved respirator with organic cartridges.

Ventilation	Local Exhaust	Necessary.	Special	Safety shower nearby.
	Mechanical (General)	Preferred.	Other	Eye wash station nearby.

Protective Gloves Appropriate chemical-resistant gloves. Eye Protection Chemical Safety Goggles

Other Protective Clothing or Equipment Rubber apron, boots.

Work /Hygienic Practices Do NOT wear contact lenses when handling material. Wear appropriate personal protective

Wash thoroughly after handling. Avoid contact with eyes, skin and clothing. Use only with effective ventilation.

Avoid prolonged or repeated exposure. Wash contaminated clothing before reuse.

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