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ENVIRONMENTAL PROTECTION AGENCY

Office of Toxic Substances
WASHINGTON, D.C. 20460

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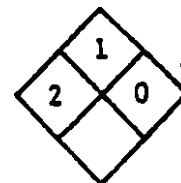
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FORM NO. L3B - 003-4

MATERIAL SAFETY DATA SHEET

NFPA Designation

CHEMICAL NAME: Trichlorobenzene		PLANT CODE	MATERIAL CODE NO.
MANUFACTURER'S NAME: Hooker Chemical Corporation		EMERGENCY TELEPHONE NO. (716) - 285-6655	
ADDRESS: INUMBER, STREET, CITY, STATE AND ZIP CODE: 4700 Buffalo Avenue, Niagara Falls, New York 14302			
CHEMICAL NAME AND SYNONYMS Trichlorobenzene		TRADE NAME Trichlorobenzene, Technical	
CHEMICAL FORMULA C₆H₃Cl₃	MOL. WT. 181.5	USES Insecticide, solvent, heat transfer media, dielectric medium, chemical intermediates, etc	

Physical Properties

BOILING POINT (°F)	420	SPECIFIC GRAVITY (H ₂ O =1)	1.46
VAPOR PRESSURE (mmHg) @ 104°F	1	PERCENT VOLATILE BY VOLUME (%)	100%
VAPOR DENSITY (AIR=1)	6.26	EVAPORATION RATE (=1)	--
SOLUBILITY IN WATER	25 ppm	Melting Point (°F)	32-40

APPEARANCE AND ODOR

Clear, nearly colorless liquid with aromatic odor.

Fire and Explosion Hazard Data

FLASH POINT	METHOD	FLAMMABLE LIMITS	AUTOIGNITION TEMP. °F
240 °F	Cleveland Open Cup	UEL -- LEL --	

EXTINGUISHING MEDIA **Carbon dioxide, dry chemical, foam or water spray.**

SPECIAL FIRE FIGHTING PROCEDURES **As appropriate for surrounding fire.**

UNUSUAL FIRE AND EXPLOSION HAZARDS **Decomposes above 575°F; burning can yield toxic chlorides including phosgene and hydrogen chloride gases.**

Reactivity

INCOMPATIBILITY **Can react with oxidizing agents.**

HAZARDOUS DECOMPOSITION PRODUCTS **Decomposition, especially in open flame, can yield phosgene and hydrogen chloride gases.**

CONDITIONS TO AVOID **Avoid prolonged or repeated breathing of vapors or contact with skin. Avoid contact with oxidizing agents.**

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Health Related Data

THRESHOLD LIMIT VALUE Not specified.

EFFECTS OF OVEREXPOSURE (SKIN, EYE, INHALATION, ETC.) Moderately irritating to eyes, skin and mucous membranes. Repeated exposure of skin may cause dermatitis. Chronic inhalation of vapors or mist may result in damage to liver. Acute inhalation exposure may cause coughing.

EMERGENCY AND FIRST AID PROCEDURES EYES: Flush with water. SKIN: Remove contaminated clothing, flush skin areas with water and wash exposed area with soap and water.

INHALATION: Remove to fresh air. INGESTION: Dilute by drinking water; if vomiting occurs, administer more water. Administer saline laxative.

SPECIAL MEDICAL PROCEDURES Get medical attention for all eye exposures and any serious over-exposures. Treatment is symptomatic. Ventilation, as by electric fan, assists in removing last traces from pores of skin, especially around eyes and eye-lids.

Special Protection Information

VENTILATION General room ventilation.

RESPIRATORY (TYPE) Mist protection where appropriate.

GLOVES (TYPE) Rubber, neoprene or vinyl, etc.

EYE (TYPE) Chemical safety spectacles, plus face shield where appropriate.

OTHER Rubber footwear; apron or impervious clothing for splash protection; hard hat.

SPECIAL PRECAUTIONS FOR HANDLING AND STORAGE Dike storage tanks; store drums separate from oxidizing materials and away from fire hazard. Drums, transfer lines and equipment must be properly designed and grounded to prevent building static electrical charges.

STEPS TO TAKE IN EVENT OF SPILL OR RELEASE Contain and pump into drums for transfer to reclaim or disposal; or soak up in absorbent medium (rags, speedi-dry, etc.). Finally, flush area with water.

WASTE DISPOSAL Incinerate in equipment designed to handle HCl as combustion product; or submit to contract service for reclaim or disposal.

REMARKS _____

REFERENCES Hooker Chemical Corporation Product Data Sheet No. 700-E:
Trichlorobenzene (Tech.)

The information presented herein, while not guaranteed, was prepared by technically knowledgeable personnel and to the best of our knowledge is true and accurate. It is not intended to be all-inclusive and the manner and conditions of use and handling may involve other or additional considerations.

NAME G. W. Darling

LOC. Niagara-ICD

DATE April 1972