

MATERIAL SAFETY DATA SHEET



Date Issued: 08/10/2010
MSDS No: 2010.138

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE: B2491.3
PRODUCT FORMULATION NAME: 1,8-Bis (trichlorosilyl) octane
MOLECULAR FORMULA: C₈H₁₆Cl₆Si

MANUFACTURER

UCT Specialties, Inc.
2731 Bartram Road
Bristol, PA 19007

Emergency Contact: Jon Telepchak
E-Mail: jtelepchak@unitedchem.com
Product Stewardship: 215-781-9255
ex141
Service Number: 717-247-0896

24 HR. EMERGENCY TELEPHONE NUMBERS

CANUTEC (Canadian Transportation) :(613) 996 - 6666
CHEMTEC (US Transportation) :(800) 424 - 9300

COMMENTS: For Research and Development Use Only

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear liquid

POTENTIAL HEALTH EFFECTS

EYES: *Conjunctivitis, corneal damage. Causes severe chemical burns.

SKIN: *Corrosive- causes tissue destruction, May cause severe chemical burns

INGESTION: * May cause sever chemical burns, may be harmful. Avoid contact

INHALATION: *Cause irritation or damage to lung. Harmful. Avoid contact

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE TOXICITY: Liquid and vapors react with moisture on the skin, eyes and mucous membranes to release hydrogen chloride (corrosive)

Prolonged or repeated exposure and/or high concentrations of vapors will produce chemical burns and destruction of affected tissues. Respirable vapors or mist are irritating to the upper respiratory tract and bronchi. Inhalation may be fatal as a result of spasm, inflammation and edema of the lungs or larynx. Prolonged or widespread contact may result in the absorption of potentially harmful amount of material. If ingested, this material may cause severe burns of the mouth, pharynx, esophagus and stomach

COMMENTS: The information provided here is based on published data for structurally analogous chemicals (not bio-assay of this specific substance)

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS
1,8-Bis (trichlorosilyl) octane	52217-53-5

4. FIRST AID MEASURES

EYES: Flush with clean water for at least 15 minutes and consult physician

!!!!!!Get Medical Attention Immediately!!!!!!

SKIN: Scrub with soap and water. Remove contaminated clothing and shoes

INGESTION: Give one full cup of milk or water to dilute ingested material.

!!!!!!! Get medical attention Immediately!!!!!!

INHALATION: Remove victim to fresh air, give CPR or oxygen if necessary

COMMENTS: If symptoms persist, get medical attention

Never give anything by mouth to an unconscious person

5. FIRE FIGHTING MEASURES

FLASH POINT AND METHOD: 1200°C (248°F) (Closed cup)

EXTINGUISHING MEDIA: Alcohol Foam, dry chemical, CO₂.

FIRE FIGHTING EQUIPMENT: Fire fighters must wear positive pressure, self contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Evacuate spill area of all non-essential personnel, ventilate the spill area, cover liquid completely (smother) with dry Sodium Bicarbonate and blanket spill area with inert gas. Place absorbed material in a dry lined wasted container before transporting it for disposal. Keep all sources of ignition away from the spill area until cleaned -up is complete.

LARGE SPILL: Evacuate spill area of all non-essential personnel, ventilate the spill area, and cover liquid completely with non reactive high expansion foam. Use water mist to knock down any hydrogen chloride vapors that might be generated.

GENERAL PROCEDURES: Absorb spilled material with suitable chemical binder. Shovel absorbent into suitable waste container. Do not contaminate soil, groundwater, or surface water.

SPECIAL PROTECTIVE EQUIPMENT: Wear appropriate personal protective equipment as specified in section 8.

COMMENTS: CAUTION: NEVER direct the hose stream onto an unignited spill

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Store in a cool and dry place. Protect from moisture. Maintain tightly closed container. Store away from alkaline, acidic, and oxidizing materials. Provide adequate ventilation.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Local exhaust ventilation may be necessary to control any fume levels during the use of this product.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Use chemical goggles and face shield.

SKIN: Use impervious gloves. Use impervious clothing as necessary to protect against skin contact

RESPIRATORY: Local exhaust required, Mechanical ventilation required

In case of exposure, use appropriate NOISH approved respiratory protection

WORK HYGIENIC PRACTICES: General industrial hygiene practice.

COMMENTS: To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29 CFR 1910.132) be conducted before using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Sharp acid like odor

COLOR: Clear

VAPOR DENSITY: > 10

BOILING POINT: 140°C /1mm

FLASH POINT AND METHOD: 1200°C (248°F) (Closed cup)

SOLUBILITY IN WATER: Reacts

SPECIFIC GRAVITY: 1.282

10. STABILITY AND REACTIVITY

STABILITY: (UNDER NORMAL CONDITIONS): Stable under ordinary conditions of use and storage.

POLYMERIZATION: Hazardous polymerization will not occur

CONDITIONS TO AVOID: Avoid Water and alcohols

HAZARDOUS DECOMPOSITION PRODUCTS: Generates Hydrogen Chloride; TLV= C5ppm,

INCOMPATIBLE MATERIALS: oxidizing agents, alkali and acid

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY

IARC: No

NTP: No

OSHA: No

COMMENTS: No information available

Material generates Hydrogen Chloride on contact with water and alcohols.

Hydrochloric Acid (aqueous): Toxicity Data: ihl-hmn LCLo: 1300ppm/ 30 minutes; unk-man LDLo: 81 mg/kg; ihl-rat LC50: 3124ppm / 1 hour; ihl-mus LC50: 1180ppm/ 1 hour; ihl-man LCLo: 1000 mg/m³/ 2 hour; orl -rbt LD50: 900 mg/kg.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No information available

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements. It is recommended that waste generators determine whether a discarded chemical is classified as a hazardous waste.

Additionally, waste generators must consult with their waste broker, state and local hazardous waste regulations to ensure complete and accurate classification.

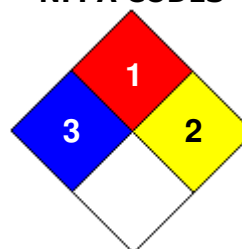
EMPTY CONTAINER: Containers of this material may be hazardous when empty since they retain product residues(liquid); observe all warnings and precautions listed for this product.

14. TRANSPORT INFORMATION**DOT (DEPARTMENT OF TRANSPORTATION)****PROPER SHIPPING NAME:** Chlorosilane, n.o.s.**TECHNICAL NAME:** (1,8-Bis (trichlorosilyl) octane)**PRIMARY HAZARD CLASS/DIVISION:** 8**UN/NA NUMBER:** 2987**PACKING GROUP:** II**NAERG:** 156**LABEL:** Corrosive**15. REGULATORY INFORMATION****UNITED STATES****DOT LABEL SYMBOL AND HAZARD CLASSIFICATION**

Corrosive

TSCA (TOXIC SUBSTANCE CONTROL ACT)**TSCA STATUS:** This product is not listed on the TSCA Inventory.**16. OTHER INFORMATION****APPROVED BY:** Office of Environmental Health Safety & Security **TITLE:** Dir. of Env. Health Safety & Security**PREPARED BY:** jnm**INFORMATION CONTACT:** jtelepchak@unitedchem.com**REVISION SUMMARY:** New MSDS**HMIS RATING**

HEALTH:	3
FLAMMABILITY:	1
PHYSICAL HAZARD:	2
PERSONAL PROTECTION:	

NFPA CODES**MANUFACTURER SUPPLEMENTAL NOTES:** All technical data is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.**MANUFACTURER DISCLAIMER:** The data in this Material Safety Data Sheet relates only to the specific material designated herein.

It does not relate to use in combination with any other material or in any process.

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