

MATERIAL SAFETY DATA SHEET



Date Issued: 10/28/2010
MSDS No: 2010.585

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE: T2845
PRODUCT FORMULATION NAME: (3,3,3-Trifluoropropyl) trichlorosilane
MOLECULAR FORMULA: C₃H₄Cl₃F₃Si

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

CHEMTREC (US Transportation) : 1-800-424-9300 or 1-703-527-3887

COMMENTS: For Research and Development Use Only

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear liquid

POTENTIAL HEALTH EFFECTS

EYES: Corrosive- Causes tissue destruction

SKIN: * Corrosive - causes tissue destruction

INGESTION: *Corrosive -causes tissue destruction

INHALATION: * Causes irritation or damage to lung

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS
(3,3,3-Trifluoropropyl) trichlorosilane	R&Donly

4. FIRST AID MEASURES

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

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

INGESTION: Get medical attention

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: 15°C (Closed cup)

EXTINGUISHING MEDIA: CO₂, foam, dry chemical, water spray or fog

FIRE FIGHTING EQUIPMENT: Fire Fighters must wear positive- pressured, self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

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.

7. HANDLING AND STORAGE

STORAGE: Store in a cool and dry place. Maintain nitrogen blanket and tightly closed container. Protect from heat, direct sunlight and source of ignition. Store away from acidic, alkaline, and oxidizing materials.

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.

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: > 1

BOILING POINT: 0.001°C to 14°C

FLASH POINT AND METHOD: 15°C (Closed cup)

SOLUBILITY IN WATER: Reacts

SPECIFIC GRAVITY: 1.358

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: Contact with water and moist air ; Generates Hydrogen Chloride;
TVL=C5ppm. Exposure to heat

INCOMPATIBLE MATERIALS: oxidizing agents, alkali, acid and alcohols

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY

IARC: No

NTP: No

OSHA: No

COMMENTS: No toxicity information available

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No information available

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Incineration is recommended . Treat or dispose of waste material in accordance with all local, state/provincial and national requirements.

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

15. REGULATORY INFORMATION

UNITED STATES

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: This product is 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

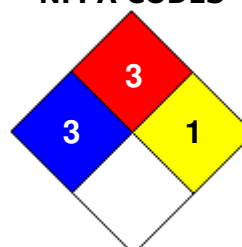
INFORMATION CONTACT: jtelepchak@unitedchem.com

REVISION SUMMARY: New MSDS

HMIS RATING

HEALTH:	3
FLAMMABILITY:	3
PHYSICAL HAZARD:	1
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.

THE INFORMATION AND RECOMMENDATIONS CONTAINED IN THIS MATERIAL SAFETY DATA SHEET HAVE BEEN COMPILED FROM SOURCES BELIEVED TO BE RELIABLE AND TO REPRESENT THE BEST OPINION ON THE SUBJECT AS OF THE DATE ON THIS SHEET. HOWEVER, NO WARRANTY, GUARANTEE OR REPRESENTATION, EXPRESS OR IMPLIED, IS MADE BY UCT, INC. AS TO THE CORRECTNESS OR SUFFICIENCY OF THIS INFORMATION OR TO THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.