



Safety Data Sheet

MTBSTFA W/1% TBDMCS

Section 1. Identification

Product Identifier MTBSTFA W/1% TBDMCS
Synonyms N/A
Manufacturer Stock Numbers MTBSTFA W/1% TBDMCS
Product Cas 77377-52-7

Recommended use N/A
Uses advised against N/A

Manufacturer Contact
Address UCT LLC
2731 Bartram Road
Bristol, PA, 19007
US

Phone
(215) 781-9255 0

Emergency Phone Fax
(800) 424-9300 Chemtrec N/A
CHEMTREC

Email
manastasio@unitedchem.com

Website
www.unitedchem.com

Section 2. Hazards Identification

Classification EYE DAMAGE/IRRITATION - Category 2A
FLAMMABLE LIQUIDS - Category 3
SKIN CORROSION/IRRITATION - Category 2
SPECIFIC TARGET ORGAN TOXICITY (Single E - Category 3)

Signal Word Warning
Pictogram



Hazard Statements	Causes serious eye irritation Causes skin irritation Flammable liquid and vapor May cause respiratory irritation; or May cause drowsiness or dizziness
Precautionary Statements	
Response	If eye irritation persists: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If inhaled: Remove person to fresh air and keep comfortable for breathing. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
Prevention	Keep away from heat. Keep container tightly closed. Take precautionary measures against static discharge. Use only non-sparking tools. Use only outdoors or in a well-ventilated area.
Storage	Store in a well-ventilated place. Keep cool. Store locked up.
Disposal	N/A
Ingredients of unknown toxicity	0%
Hazards not Otherwise Classified	
Acute Toxicity	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 and larynx. Prolonged or widespread contact may result in the absorption of a potentially harmful amount of material. If ingested, this material may cause severe burns of the mouth, pharynx, esophagus and stomach.
Medical Conditions Aggravated	Preclude from exposure those individuals having a history of respiratory illness or pre-existing eye or skin conditions.
Additional Information	May cause severe burns to the eyes, skin and respiratory tract. Corrosive Target Organ Statement: mucous membrane, upper respiratory tract, skin and eyes.

Section 3. Ingredients

CAS	Ingredient Name	Weight %
18162-48-6	t-Butyldimethylchlorosilane	1% - 5%
77377-52-7	MTBSTFA	90% - 100%

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

General	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area
Eye	Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.
Skin	Scrub with soap and water. Remove contaminated clothing and shoes.
Ingestion	Get medical attention
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Comments	If symptoms persist, get medical attention. Never give anything by mouth to an unconscious person.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material. Carbon oxides (CO, CO ₂), nitrogen oxides (NO, NO ₂), halogenated compounds, and some metallic oxides. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Combustible, corrosive liquid and vapors.
Unsuitable Extinguishing Media	N/A

Section 6. Accidental Release Measures

Clean-up	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Eliminate all ignition sources. Use spark proof tools. A fire guard should be posted during any clean up operation.
Special Protective Equipment	Wear appropriate personal protective equipment as specified in section 8.

Section 7. Handling and Storage

Handling	Avoid contact with skin and eyes. Avoid breathing vapors from heated material. Avoid breathing (dust, vapor, mist, gas).
Storage	Keep in tightly closed container, store in cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (dust, solids). Observe all warnings and precautions listed for the product.
Handling	Container requires grounding during use

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	t-Butyldimethylchlorosilane	N/A	N/A	N/A
	MTBSTFA	N/A	N/A	N/A
Personal Protective Equipment	Goggles, Gloves, Apron, Face Shield, Respirator			
Engineering Controls	Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.			
Eyes and Face	Use chemical goggles and face shield			
Skin	Use impervious gloves. Use impervious clothing as necessary to protect against skin contact			
Respiratory	Maintain adequate ventilation. Mechanical ventilation recommended. In case of exposure, use appropriate NIOSH 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.			

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Clear
Odor	Characteristic/strong
Odor Threshold	N/A
Solubility	Insoluble reacts
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	N/A
Specific Gravity	1.023
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	50C/122F
FP Method	N/A
Ph	N/A
Melting Point	N/A
Boiling Point	172C
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	N/A
Flammability	N/A
Decomposition Temperature	N/A
Auto-ignition Temperature	N/A
Vapor Pressure	N/A
Vapor Density	1.21

Section 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 oxidizing agents, acid and alkali. Contact with water or alcohols. Exposure to heat, sparks or other sources of ignition
Additional Information	Incompatible Materials: Strong oxidizers, metals, water, moisture or humid air. Hazardous Decomposition: May decompose on contact with water or moist air to produce corrosive Hydrofluoric and Hydrochloric acid. May emit oxides of carbon, silicon, nitrogen and acid halides.

Section 11. Toxicological Information

Carcinogenicity	IARC: No NTP: No OSHA: No
Comments	No toxicity information available

Section 12. Ecological Information

Environmental Data Possibility hazardous short term degradation products are not likely. However, long term degradation products may arise.

Section 13. Disposal

Method Incinerate. Follow all federal, state and local regulations

Empty Container Containers of this material may be hazardous when empty since they retain product residues (liquids). Observe all warnings and precautions listed for this product.

Comments 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 and state and local hazardous waste regulations to insure complete and accurate classification. Although not listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. US EPA guidelines for classification determination are listed on 40CFR Parts 261.3

Section 14. Transport Information

UN Number 2924

UN Proper Shipping Name Flammable liquids, Corrosive, N.O.S.

DOT Classification 3

Packing Group III

Section 15. Regulatory Information

TSCA United States
TSCA (toxic substance control act)
TSCA Status: this product is not listed on the TSCA inventory

Additional Information Canada: Class B-3-Flammable and combustible, Class E-Corrosive material

Section 16. Other Information

Revision Date

2/18/2016

Manufacturer Disclaimer

The data in this 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.

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.

Statement

THE INFORMATION AND RECOMMENDATIONS CONTAINED IN THIS 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, GUARENTEE OR REPRESENTATION, EXPRESSED 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.

Additional Information

HMIS Rating:
Health - 3
Flammability - 2
Physical Hazard - 2

NFPA Codes:
Health Hazard - 3
Flammable Hazard - 2
Reactivity - 2