



# Safety Data Sheet

## BSTFA w/ 1% TMCS

### Section 1. Identification

Product Identifier BSTFA w/ 1% TMCS  
Synonyms N/A  
Manufacturer Stock Numbers BSTFA w/1% TMCS  
Product Cas 25561-30-2

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 FLAMMABLE LIQUIDS - Category 2  
SKIN CORROSION/IRRITATION - Category 1B  
Signal Word Danger

Pictogram



Hazard Statements Causes severe skin burns and eye damage  
Highly flammable liquid and vapor

Precautionary Statements

Response	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 swallowed: Immediately call a poison center/doctor
Prevention	Keep away from heat. Use explosion-proof electrical/ventilating/lighting/equipment. Wear protective gloves/protective clothing/eye protection/face protection.
Storage	Store locked up.
Disposal	Dispose of contents/container to approved waste disposal plant
General	If medical advice is needed, have product container or label at hand Read label before use
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 Additional Information	Preclude from exposure those individuals having a history of respiratory illness or pre-existing eye or skin conditions. Very hazardous to skin and eyes. Absorbed through skin, dermal contact, eye contact, inhalation and ingestion.

### Section 3. Ingredients

CAS	Ingredient Name	Weight %
25561-30-2	BSTFA	Unknown

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	CO2, foam, dry chemical Can burn in fire, releasing toxic vapors. Evacuate area and fight fire from a safe distance. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Unsuitable Extinguishing Media	N/A

## Section 6. Accidental Release Measures

General	Secure the spill area. Absorb spill with inert material. Ventilate spill area. DO NOT attempt clean up with water. Provide diking or other appropriate containment to keep material from spreading. Clean up remaining material from spill with suitable absorbent. Keep unnecessary and unprotected personnel from entering.
General Procedure	Absorb spill material with suitable chemical binder. Shovel absorbent into suitable waste container. Do not wash into sewer or soil, groundwater or surface water.
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. Container requires grounding during use Eliminate all sources of ignition: heat, sparks, flame, electricity, impact and friction. Ground container when transferring material. Keep in a tightly closed container, store in a cool, dry place.
Storage.	Store in a cool and dry place. Store in a tightly sealed container. Protect from heat, direct sunlight and source of ignition. Store away from acidic, alkaline and oxidizing materials. Provide adequate ventilation.
Storage	Refrigeration recommended.

## Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	BSTFA	N/A	N/A	N/A
Personal Protective Equipment	Goggles, Gloves			
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 to light straw
Odor	N/A
Odor Threshold	N/A
Solubility	N/A
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	N/A
Specific Gravity	0.969
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	-7C/19.4F
FP Method	N/A
Ph	N/A
Melting Point	-10C
Boiling Point	44.850C
Boiling Range	44.85C to 50.85C
LEL	N/A
UEL	N/A
Evaporation Rate	N/A
Flammability	N/A
Decomposition Temperature	N/A
Auto-ignition Temperature	N/A
Vapor Pressure	13.3 @20C
Vapor Density	3.750

## 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	Avoid contact with oxidizing agents and moisture Avoid contact with heat, sparks or open flame
Possibility of Hazardous Reactions	Reacts violently with water and acids
Incompatible Materials	Acid and oxidizing agents
Additional Information	Reacts violently with water to produce flammable but not toxic gases.  Hazardous Decomposition: Carbon oxides (CO, CO <sub>2</sub> ), Nitrogen oxides (NO, NO <sub>2</sub> ), halogenated compounds and some metallic oxides.

## Section 11. Toxicological Information

Carcinogenicity	<p>IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.</p> <p>NTP: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.</p> <p>OSHA: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.</p>
Comments	<p>To the best of our knowledge, the toxicological properties have not been thoroughly investigated. Although we are unaware of any health or environmental risks from this material, exposure should be minimized.</p>
Additional Information	<p>Acute Dermal LD50: 1506 mg/kg (Rabbit) TMCS Oral LD50: 4789 mg/kg (Rat) TMCS Inhalation LC50: NA Can cause irritation and damage to lungs</p> <p>Chronic: Causes damage to the following organs in humans: mucous membranes, upper respiratory tract, skin and eyes.</p> <p>Reproductive effects: To the best of our knowledge, reproduction and birth defects effects has not been determined.</p>

## Section 12. Ecological Information

Environmental Data	No information available
--------------------	--------------------------

## 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	<p>It is recommended that waste generators determine whether a discarded chemical is classified as a hazardous waste.</p> <p>Additionally, waste generators must consult with their waste broker and state and local hazardous waste regulations to insure complete and accurate classification.</p> <p>Although not a 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.</p> <p>US EPA guidelines for classification determination are listed on 40CFR Parts 261.3</p>

## Section 14. Transport Information

UN Number 2924  
UN Proper Shipping Name Flammable liquids, Corrosive n.o.s.  
DOT Classification 3  
Packing Group II

## Section 15. Regulatory Information

Additional Information Canada:  
WHMIS Class: Class B-2-Flammable and combustible material, Class D-1(B)-  
Material causing immediate and serious toxic effects, 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 - 3  
Physical Hazard - 1  
Personal Protection - H

NFPA Codes  
Health Hazard - 3  
Flammable Hazard- 3  
Reactivity - 1