



Safety Data Sheet

N-Methyl-N-(tert-butyl-dimethylsilyl)-trifluoroacetamide+ 1% t-BDMCS

Section 1. Identification

Product Identifier	N-Methyl-N-(tert-butyl-dimethylsilyl)-trifluoroacetamide+ 1% t-BDMCS		
Synonyms	N/A		
Manufacturer Stock Numbers	SMTBSTFA-1-1		
Recommended use	N/A		
Uses advised against	N/A		
Manufacturer Contact			
Address	UCT LLC 2731 Bartram Road Bristol, PA, 19007 US		
	Phone	Emergency Phone	Fax
	(215) 781-9255 0	(800) 424-9300 Chemtrec	N/A
		CHEMTREC	
	Email	Website	
	manastasio@unitedchem.com	www.unitedchem.com	

Section 2. Hazards Identification

Classification	N/A
Signal Word	Warning
Pictogram	
Hazard Statements	Causes serious eye irritation Causes skin irritation Flammable liquid and vapor May cause respiratory irritation

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	Avoid breathing dust/fume/gas/mist/ vapors/spray.
Storage	N/A
Disposal	N/A
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	Perclude from exposure those individuals having a history of respiratory illness or pre-exisiting eye or skin conditions.
Additional Information	Causes severe respiratory, eye and skin burns. Flammable liquid and vapor. Corrosive

Section 3. Ingredients

CAS	Ingredient Name	Weight %
18162-48-6	t-Butyldimethylchlorosilane	1% - Max
77377-52-7	N-(t-Butyldimethylsilyl)-N-Methyltrifluoroacetamide	99% - Min

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 As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. May decompose on contact with water or moisture to produce corrosive hydrofluoric and/or hydrochloric acid. May emit oxides of carbon, silicon and nitrogen and acid halides.
Unsuitable Extinguishing Media	Liquid and vapors are combustible and corrosive. N/A

Section 6. Accidental Release Measures

General Procedures	Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment. Keep all unnecessary and unprotected personnel from entering. Absorb spilled material with suitable chemical binder. Shovel absorbent into suitable waste container. Do not contaminate soil, groundwater, or surface water.
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

Storage	Store in a cool and dry place. Maintain nitrogen blanket and tightly closed container. Protect from moisture. Protect from heat, direct sunlight and source of ignition. Store away from acidic, alkaline, and oxidizing materials.
Handling Storage	Ground and bond containers when transferring material. Keep away from sources of ignition.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	t-Butyldimethylchlorosilane	N/A	N/A	N/A
	N-(t-Butyldimethylsilyl)-N-Methyltrifluoroacetamide	N/A	N/A	N/A
Personal Protective Equipment	Goggles, Gloves, 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	Local exhaust required. Mechanical ventilation required. 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	Colorless
Odor	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 (122F0
FP Method	TCC
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	1.121

Section 10. Stability and Reactivity

Stability	(Under Normal Conditions) Stable under ordinary conditions of use and storage
Polymerization	Hazardous ploymerization will not occur
Conditions to Avoid	Heat, moisture and incompatibles
Incompatible Materials	Contact with water or mosit air and exposure to heat
Additional Information	May decompose into hydroflouric and hydrochloric acids iin contact with water. May emit oxides of carbon, silicon and nitrogen and acid halides.
	Aviod metals and humid air

Section 11. Toxicological Information

Carcinogenicity	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. 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. 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.
Comments	No toxicity information available

Section 12. Ecological Information

Environmental Data	No information available
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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 WHMIS Class: Class B-3-Flammable and combustible, Class E-Corrosive Material

Section 16. Other Information

Revision Date

2/12/2016

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 WARRENTY, 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
Personal Protection - H

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