



Safety Data Sheet

N-Aminoethyl-3-aminopropyl-methyl-dimethoxysilane

Section 1. Identification

Product Identifier	N-Aminoethyl-3-aminopropyl-methyl-dimethoxysilane		
Synonyms	N/A		
Manufacturer Stock Numbers	A0699		
Recommended use	N/A		
Uses advised against	N/A		
Manufacturer Contact			
Address	UCT Specialties, LLC 2731 Bartram Rd Bristol, PA, 19007 USA		
	Phone	Emergency Phone	Fax
	(215) 781-9255	(800) 424-9300 CHEMTREC	(215) 785-1226
	Email	Website	
	manastasio@unitedchem.com	www.unitedchem.com	

Section 2. Hazards Identification

Classification	SKIN CORROSION/IRRITATION - Category 2
Signal Word	Danger
Pictogram	



Hazard Statements	Causes serious eye irritation Causes skin irritation Harmful if swallowed Harmful in contact with skin
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 on skin: Wash with plenty of water/ ... If skin irritation occurs: Get medical advice/attention. If swallowed: Immediately call a poison center/doctor Specific treatment (see ... on this label) Take off contaminated clothing and wash it before reuse.
Prevention	Wash ...thoroughly after handling. Wear protective gloves.
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	Liquid and vapors react with moisture on the skin, eyes and mucous membranes to release a substance that is corrosive.
Medical Conditions Aggravated	Preclude from exposure those individuals having a history of respiratory illness or pre-existing eye or skin conditions.
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.
Additional Information	This product is corrosive to the eyes, skin and lungs. Material contains a primary amine (organic base) which may generate hydroxide anion on contact with water or moisture on the skin, in the eyes or on the mucous membranes. Alkalinity of the material and possible reaction of the amine group with tissue components can result in the induction of destruction and necrosis in exposed tissues. Primary organic amines may also be potential sensitizers, including hypersensitivity reactions on contact with the skin. Hydroxide and amine are destructive to tissues of the skin, eye and mucous membranes. Inhalation may be fatal as a result of spasm, inflammation or

edema of the larynx, bronchi pr chemical pneimonitis. Ingestion may result in necrosis of tissues of the mouth, pharynx, esophagus and stomach. The symptoms of exposure may be a burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.

Material generates ethanol on contact with water and moisyure on the skin, eyes and mucous membranes.

Section 3. Ingredients

CAS	Ingredient Name	Weight %
3069-29-2	N-Aminoethyl-3-aminopropyl-methyl-dimethoxysilane	Unknown
67-56-1	Methanol	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 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 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.
Spill.	Evacuate spill area of non-essential personnel. Ventilate the spill area. Avoid breathing vapor. Wear appropriate personal protective equipment.
Special Protective Equipment	Wear appropriate personal protective equipment as specified in section 8.

Section 7. Handling and Storage

Handling	Ground and bond containers when transferring material.
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.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	N-Aminoethyl-3-aminopropyl-methyl-dimethoxysilane	N/A	N/A	N/A
	Methanol	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 to yellow
Odor	N/A
Odor Threshold	N/A
Solubility	Insoluble reacts
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	N/A
Specific Gravity	0.98
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	90C

FP Method	N/A
pH	N/A
Melting Point	N/A
Boiling Point	254C / 760mm
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

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	Avoid contact with heat, sparks or open flame Water and moist air
Incompatuble Naterials	Oxidizing agents, alkali and acids
Additional Information	Hazardous Decomposition - generates methanol; TLV (skin TWA) 200ppm. Organic amine vapors

Section 11. Toxicological Information

Carcinogenicity	IARC: No NTP: No OSHA: No
Comments	No toxicity information available
Additional Information	Material generates methanol on hydrolysis Methanol: Toxicity Date: ihl-hmn TCLo: 86,000mg/m3; ihl-hum TClo: 300ppm; ihl-rat LC50: 64,000ppm/4hours; orl-hmn LDLo: 428 mg/kg; orl-hum LDLo: 143 mg/kg; orl-man TDLo: 3429 mg/kg; orl-wmn TDlo: 4000 mg/kg; orl-rat LD50: 5638 mg/kg; skn-rbt LD50: 15,800 mg/kg; unk-man LDLo: 868 mg/kg Irritation Data: eye-rbt 40 mg MOD IRR; skn-rbt 500mg/25 hours MOD IRR Mehtanol is the subject of a TSCA CHIP a NIOSH Criteria Document, a NIOSH Current Intelligence Bulletin, is a CERCLA Hazardous Substance (RQ=5000#/2270kg), is listed under RCRA (U154) and is a SARA title II Section 313 Toxic Chemical.

Section 12. Ecological Information

Environmental Data No information available

Section 13. Disposal

Method Incineration recommended. 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 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. US EPA guidelines for classification determination are listed on 40CFR Parts 261.3

Section 14. Transport Information

UN Number N/A

UN Proper Shipping Name N/A

DOT Classification N/A

Packing Group N/A

Section 15. Regulatory Information

TSCA United States
TSCA (Toxic Substance Control Act)
TSCA Status: Some components are listed on the TSCA inventory

Section 16. Other Information

Revision Date 3/28/2016

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 Statement All technical data is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.
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 - 1

NFPA Codes

Health Hazard - 3
Flammable Hazard - 2
Reactivity - 1