



# Safety Data Sheet

(N, N-Diethyl-3- aminopropyl) trimethoxysilane

## Section 1. Identification

Product Identifier (N, N-Diethyl-3- aminopropyl) trimethoxysilane  
Synonyms N/A  
Manufacturer Stock Numbers D4477  
Product Cas 41051-80-3

Recommended use N/A  
Uses advised against N/A

### Manufacturer Contact

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## Section 2. Hazards Identification

Classification EYE DAMAGE/IRRITATION - Category 2  
SKIN CORROSION/IRRITATION - Category 2  
SPECIFIC TARGET ORGAN TOXICITY (Single Exposure) - Category 3  
Signal Word Warning

Pictogram



Hazard Statements

Causes skin irritation  
May cause respiratory irritation; or May cause drowsiness or dizziness

Precautionary Statements

Response

If inhaled: Remove person to fresh air and keep comfortable for breathing.  
If skin irritation occurs: Get medical advice/attention.  
Take off contaminated clothing and wash it before reuse.

Prevention

Use only outdoors or in a well-ventilated area.

Storage

Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.

Disposal

N/A

Ingredients of unknown toxicity

0%

Hazards not Otherwise Classified

No Data Available

### Section 3. Ingredients

CAS	Ingredient Name	Weight %
41051-80-3	(N, N-Diethyl-3- aminopropyl) trimethoxysilane	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

Flush eyes with water for 15 minutes. Get medical attention if irritation persists.

Skin

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

Ingestion

Give one full cup of milk or water to dilute ingested material. Get medical attention.

Inhalation

Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

Effects

Material generates methanol (toxic) on contact with water or moisture on the skin, eyes and mucous membrane.

Methanol is a tissue irritant that may be absorbed through the skin and

produce systemic toxic effects. Vapors may be inhaled and metabolized to formaldehyde and formic acid resulting in systemic acidosis, blindness and ultimately death from respiratory arrest. Liquid produces effect similar to inhalation overexposure when ingested.

**Comments**

If symptoms persist, get medical attention. Never give anything by mouth to an unconscious person.

**Section 5. Fire Fighting Measures**

**Suitable Extinguishing Media**

water spray, CO2, foam, dry chemical  
Firefighters must wear positive pressure, self-contained breathing apparatus and full protective clothing

**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.

**Section 7. Handling and Storage**

**Storage**

Store in a cool dry place. Protect from moisture. Maintain tightly closed container. Store away from alkaline, acidic and oxidizing materials. Provide adequate ventilation.

**Section 8. Exposure Controls/Personal Protection**

**Occupational Exposure Limits**

Ingredient Name	ACGIH TLV	OSHA PEL	STEL
(N, N-Diethyl-3- aminopropyl) trimethoxysilane	N/A	N/A	N/A

**Personal Protective Equipment**

Goggles, Gloves, Face Shield

**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.

**Eye and Face**

Use chemical goggles

**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 Comments**

General industrial hygiene practice  
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	Dark liquid
Odor	N/A
Odor Threshold	N/A
Solubility	Reacts
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	N/A
Specific Gravity	0.95
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	100C
FP Method	closed cup
pH	N/A
Melting Point	N/A
Boiling Point	120C/5mm
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	N/A

## 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	Contact with water or moist air. Generates methanol; TVL (skn, TWA) = 200ppm. Avoid contact with oxidizing agents, alkali, and acid. Exposure to heat, sparks or other source of ignition.

## Section 11. Toxicological Information

Carcinogen	No componenets 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 or OSHA
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## 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**      1760

**UN Proper Shipping Name**      Corrosive Liquid

**DOT Classification**      8

**Packing Group**      II

## Section 15. Regulatory Information

**TSCA**      United States  
TSCA (Toxic Substance Control Act)  
Status: This product is listed on the TSCA inventory

## Section 16. Other Information

**Revision Date**      4/11/2016

**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.  
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