



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

3-Aminopropyltriethoxysilane
3-Triethoxysilylpropylamine; AMEO.
CAS NO.: 919-30-2

Manufacturer: Shandong Wanda Organosilicon New Materials Co.,Ltd.
Xizhou, Qufu, Shandong,, China

For more information call (Monday-Friday, 8:30am-5:30pm): 86-021-54177116
In case of emergency call (24 Hours/Day, 7 Days/Week): 86-0537-4631478

2. COMPOSITION, INFORMATION ON INGREDIENTS:

CAS#	Chemical Name	%	EINECS#	Haz Symbols	Risk Phrases
919-30-2	3-Aminopropyltriethoxysilane, 97%	97%	213-048-4	C	22 34

3. HAZARDS IDENTIFICATION:

EMERGENCY OVERVIEW

Harmful if swallowed. Cause burning.

Potential Health Effects

Eye:

Causes eye burns.

Skin:

Causes skin burns.

Ingestion:

Causes gastrointestinal tract burns. May be harmful if swallowed.

Inhalation:

May cause severe irritation of the respiratory tract with sore throat, coughing, shortness of breath and delayed lung edema.

Chronic:

Effects may be delayed. Ethanol is mainly metabolized in the liver, which is also one of the primary target organs. While ethanol is well known to cause cirrhosis of the liver in alcoholics, liver cirrhosis has also been produced in rabbits exposed by inhalation

山东万达有机硅新材料有限公司(上海办事处)	Shandong Wanda Organosilicon New Material Co., Ltd. (Shanghai Office)
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Tel/Fax: 0086-21-54177116; 54177336	Website: http://www.wandasilicon.com/
Email: 002@wandachem.com	MSN: wandachem803@hotmail.com



4. FIRST AID MEASURES:

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately. Do NOT allow victim to rub eyes or keep eyes closed.

Extensive irrigation with water is required (at least 30 minutes).

Skin:

Get medical aid immediately. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Wash clothing before reuse. Destroy contaminated shoes.

Ingestion:

Never give anything by mouth to an unconscious person. Get medical aid immediately. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation:

Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

Notes to Physician:

5. FIRE FIGHTING MEASURES:

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Contact with water liberates highly flammable gases.

Extinguishing Media: Do not use water directly on fire. Use foam, dry chemical, or carbon dioxide. Do not get water inside containers.

6. ACCIDENTAL RELEASE MEASURES:

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Clean up spills immediately, observing precautions in the Protective Equipment section. Remove all sources of ignition.

Provide ventilation. Do not get water inside containers.

7. HANDLING AND STORAGE:

Handling:

Do not get in eyes, on skin, or on clothing. Keep container tightly closed. Do not ingest or inhale. Use with adequate ventilation. Do not allow contact with water. Discard contaminated shoes. Keep from contact with moist air and steam.

Storage:

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Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances. Corrosives area. Store protected from moisture. Store under nitrogen.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION:

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits CAS# 919-30-2: Personal Protective Equipment Eyes: Wear chemical splash goggles.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use. Wear a NIOSH/MSHA or European Standard EN 149 approved full-face piece airline respirator in the positive pressure mode with emergency escape provisions.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Liquid

Color: Clear

Odor: amine-like

pH: Not available.

Vapor Pressure: <1 hPa @ 20 C

Viscosity: Not available.

Boiling Point: 217 deg C @ 760 mm Hg

Freezing/Melting Point: -70 deg C

Autoignition Temperature: 300 deg C (572.00 deg F)

Flash Point: 96 deg C (204.80 deg F)

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

Decomposition Temperature: >217 deg C

Solubility in water: Reacts.

Specific Gravity/Density: .9420 g/ml

Molecular Formula: C₉H₂₃NO₃Si

Molecular Weight: 221.37

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10. STABILITY AND REACTIVITY:

Chemical Stability:

Stable under normal temperatures and pressures. Material generates ethanol on contact with water.

Conditions to Avoid:

Ignition sources, moisture.

Incompatibilities with Other Materials:

Strong oxidizing agents, strong acids, water.

Hazardous Decomposition Products:

Nitrogen oxides, carbon monoxide, carbon dioxide, ethanol.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION:

RTECS#:

CAS# 919-30-2: TX2100000 LD50/LC50:

CAS# 919-30-2: Draize test, rabbit, eye: 100 mg Mild; Draize test, rabbit, eye: 750 ug/24H Severe; Draize test, rabbit, skin: 5 mg/24H Severe; Oral, mouse: LD50 = 4 gm/kg; Oral, rat: LD50 = 1780 mg/kg; Skin, rabbit: LD50 = 4 mL/kg.

Carcinogenicity:

3-Aminopropyltriethoxysilane - Not listed by ACGIH, IARC, or NTP.

Other:

See actual entry in RTECS for complete information.

12. ECOLOGICAL INFORMATION:

NOT LISTED

13. DISPOSAL CONSIDERATIONS:

Dispose of in a manner consistent with federal, state, and local regulations.

14. TRANSPORT INFORMATION:

IATA

Shipping Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.*

Hazard Class: 8

UN Number: 3267

Packing Group: III

IMO

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RID/ADR

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15. REGULATORY INFORMATION:

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: C

Risk Phrases:

R 22 Harmful if swallowed.

R 34 Causes burns.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 919-30-2: 1

Canada

CAS# 919-30-2 is listed on Canada's DSL List.

CAS# 919-30-2 is not listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 919-30-2 is listed on the TSCA inventory.

16. ADDITIONAL INFORMATION:

MSDS Issue Date: 05/08/2010 Revision #0 Date: Original.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.

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