

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **AMINOMETHYLTRIMETHYLSILANE 95% - SIA0596.0**

CHEMICAL NAME: 3-AMINOMETHYLTRIMETHYLSILANE

SYNONYMS: (TRIMETHYLSILYLMETHYL)AMINE

CHEMICAL FAMILY: ORGANOSILANE

FORMULA: C₄H₁₃NSi

HMIS CODES HEALTH: 3 FLAMMABILITY: 4 REACTIVITY: 0

INGREDIENTS

| IDENTITY | CAS NO. | % | TLV |
|----------------------------|------------|-----|-----------------|
| AMINOMETHYLTRIMETHYLSILANE | 18166-02-4 | >95 | not established |

PHYSICAL DATA

Boiling Point: 94-5°C

Specific Gravity: 0.770

Vapor Density (air=1): >1

% volatiles: 100

Molecular Weight: 103.24

Appearance & Color: Clear to straw liquid with amine (ammonia-like) odor.

Freezing Point: <0°C

Vapor Pressure: 40mm

Solubility in water: slightly soluble

Evaporation rate (butyl acetate = 1): >1

Other: N/A

FIRE & EXPLOSION DATA

Flash Point, COC: 9°C (48°F)

Autoignition Temp.: not determined

Flammability Limits: not determined

Extinguishing Media: Water spray, foam, carbon dioxide, dry chemical.

Special Fire Fighting Procedures: Avoid eye and skin contact. Do not breathe fumes or inhale vapors.

Unusual Fire and Explosion Hazards: Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

-1-(SIA0596.0)

ENVIRONMENTAL INFORMATION

Spill response: May be hazardous to aquatic life if released to open waters. Cover spill with absorbent material. Transfer to a suitable container for disposal.

Recommended Disposal: May be incinerated. Alternately, absorb onto clay or vermiculite and dispose of absorbent material as solid waste. Follow all chemical pollution control regulations.

HEALTH HAZARD DATA

Eye Contact: Vapors may cause immediate or delayed severe eye irritation. Liquid can cause severe conjunctivitis and corneal damage

Skin contact: May produce irritation or contact dermatitis which may be delayed several hours. Prompt and thorough washing with soap and water will reduce or eliminate potential dermal effects.

Inhalation: Inhalation of vapors or particulates of aminoalkylsilanes will irritate the respiratory tract. Overexposure may produce coughing, headache and nausea.

Oral Toxicity: Not determined.

Chronic Toxicity: There are no known chronic effects related to this compound.

While no specific data is available, this material is a primary amine. Some primary amines are destructive to the eyes, skin and mucous membranes.

SUGGESTED FIRST AID

EYES: In case of contact, immediately flush eyes with flowing water for at least 15 minutes. Get medical attention.

SKIN: Flush with water, then wash with soap and water.

INHALATION: Move exposed individual to fresh air. Call a physician.

INGESTION: Never give fluids or induce vomiting if patient is unconscious or having convulsions. Get medical attention.

REACTIVITY DATA

Stability: Stable in sealed containers stored.

Conditions to avoid: Combustible; avoid contact with heat, sparks or open flame.

Incompatibility (materials to avoid): Reacts with water and moisture in air liberating ethanol. Avoid contact with peroxides, oxidizing agents, alcohols, acids.

Hazardous decomposition products: Organic acid vapors.

-2-(SIA0596.0)

SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV air-supplied or combination organic vapor amine gas respirator.

Eye and Face Protection: Chemical worker's goggles. Do not wear contact lenses.

Other Clothing and Equipment: Rubber, neoprene or nitrile gloves. An eyewash and emergency shower should be available. Launder clothing before reuse.

OTHER PRECAUTIONS

For research use only.

Storage and Handling: Store in sealed containers.

TRANSPORTATION

DOT SHIPPING NAME: FLAMMABLE LIQUID, N.O.S.
(AMINOMETHYLTRIMETHYLSILANE)

DOT HAZARD: 3

DOT LABELS: FLAMMABLE LIQUID

DOT ID No: UN1993

PG: II

Prepared by safety and environmental affairs

ISSUE DATE SIA0596.0: 8/13/04

SUPERSEDES: 5/6/03

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-3-(SIA0596.0)

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