

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **(ETHYLMETHYLBUTANONEOXIMINO)TRIMETHYLSILANE - SIE4897.0**

CHEMICAL NAME: (ETHYLMETHYLBUTANONEOXIMINO)TRIMETHYLSILANE

SYNONYMS: O-(TRIMETHYLSILYL)BUTANONEOXIME

CHEMICAL FAMILY: ORGANOSILANE

FORMULA: C₇H₁₇NOSi

HMIS CODES HEALTH: 2 FLAMMABILITY: 2 REACTIVITY: 1

INGREDIENTS

IDENTITY	CAS NO.	%	TLV
(ETHYLMETHYLBUTANONEOXIMINO)TRIMETHYLSILANE	37843-14-4	>95	not determined
METHYLETHYLBUTANONEOXIME	96-29-7	<5	not determined

PHYSICAL DATA

Boiling Point: 65°C at 75mm

Specific Gravity: 0.83

Vapor Density (air=1): >1

% volatiles: 100

Molecular Weight: 159.30

Appearance & Color: Clear to straw liquid with mild odor

Freezing Point: <0°C

Vapor Pressure: not determined

Solubility in water: reacts

Evaporation rate: not determined

Other: NA

FIRE & EXPLOSION DATA

Flash Point, COC: not determined

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-(SIE4897)

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: Will cause immediate or delayed severe eye irritation. Burns will develop unless treated.

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

Inhalation: Inhalation of vapors or particulates of may irritate the respiratory tract. Vapors from decomposition or exposure to atmospheric moisture may cause a reversible narcotic effect. Overexposure may cause coma and respiratory failure.

Oral Toxicity- not determined. Ingestion may produce blood effects, reducing the blood's ability to transport oxygen (methemoglobinemia and anemia.)
Chronic Toxicity: There are no known chronic effects related to this compound.

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. Do not expose to moisture acid, oxidizers and metals such as iron.

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

Incompatibility (materials to avoid): Reacts with water and moisture in air and acids liberating methylethylketoxime (MEKO). Contact with iron should be avoided. Contact with electrophiles such as ferric chloride can lead to a violent reaction.

Hazardous decomposition products: Organic vapors including methyl ethyl ketone, silicon dioxide, CO, CO₂ and NO_x.

-2-(SIE4897.0)

SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV air-supplied or combination organic vapor acid 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 without contacting iron or steel.

TRANSPORTATION

DOT SHIPPING NAME: FLAMMABLE LIQUID, NOS
(ETHYLMETHYLBKETOXIMINO)TRIMETHYLSILANE)

DOT HAZARD CLASS: 3

DOT LABEL: FLAMMABLE LIQUID

DOT ID No: UN1993

PG: III

Prepared by safety and environmental affairs

ISSUE DATE SIE4897.0: 7/11/03

SUPERSEDES: 4/4/97

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