

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **OCTYLTRIS(TRIMETHYLSILOXY)SILANE, 95% - SIO6715.7**

CHEMICAL NAME: OCTYLTRIS(TRIMETHYLSILOXY)SILANE

SYNONYMS: TRIS(TRIMETHYLSILOXY)OCTYLSILANE

CHEMICAL FAMILY: ORGANOSILANE

FORMULA: C₁₇H₄₄O₃Si₄

HMIS CODES HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0

INGREDIENTS

IDENTITY	CAS NO.	%	TLV	OSHA PEL
OSHA HAZARDOUS COMPONENTS: NONE FOUND				
OSHA NON-HAZARDOUS COMPONENTS:				
OCTYLTRIS(TRIMETHYLSILOXY)SILANE	187592-85-4	>95		not established

PHYSICAL DATA

Boiling Point: 90°C at 1mm

Specific Gravity: 0.857

Vapor Density (air=1): >1

% volatiles: <3

Molecular Weight: 408.88

Appearance & Color: Clear to straw liquid with mild odor

Freezing Point: <-40°C

Vapor Pressure, 105°C: 1mm

Solubility in water: insoluble

Evaporation rate (butyl acetate =1): <1

Viscosity: 3-4 cSt

FIRE & EXPLOSION DATA

Flash Point, COC: 106°C (222°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-(SIO6715.7)

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: May cause immediate or delayed mild eye irritation.

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 may 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.

SUGGESTED FIRST AID

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

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.

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

Incompatibility (materials to avoid): Strong oxidizers.

Hazardous decomposition products: At elevated temperatures (exceeding 180°C) in the presence of acid, liberates small amounts of hydrocarbons; organic acid vapors.

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SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection: If operating at elevated temperature, air-supplied or NIOSH certified 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.

TRANSPORTATION

DOT SHIPPING NAME: Oils, lubricating, O/T Petroleum, NOI

DOT HAZARD CLASS: Not Regulated

DOT LABEL: Not Required

DOT ID No: Not Required

Prepared by safety and environmental affairs ISSUE DATE SIO6715.7: 9/16/15
SUPERSEDES: 1/23/11

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