

GELEST, INC.
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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **TRI-n-HEXYLSILANE - SIT8376.0**

CHEMICAL NAME: TRI-n-HEXYLSILANE

SYNONYMS: TRI-n-HEXYLSILYL HYDRIDE

CHEMICAL FAMILY: ORGANOSILANE

FORMULA: C₁₈H₄₀Si

HMIS CODES HEALTH: 2 FLAMMABILITY: 2 REACTIVITY: 1

INGREDIENTS

IDENTITY	CAS NO.	%	TLV	OSHA PEL
TRI-n-HEXYLSILANE	2929-52-4	>95	not established	

PHYSICAL DATA

Boiling Point: 160-1°C at 5mm

Melting Point: <0°C

Specific Gravity: 0.799

Vapor Pressure: <0.1mm

Vapor Density (air = 1): >1

Solubility in water: insoluble

% volatiles: <3

Evaporation rate: NA

Molecular Weight: 284.61

Other: NA

Appearance & Color: Clear liquid

FIRE & EXPLOSION DATA

Flash Point, COC: 62°C (143°F)

Autoignition Temp.: not determined

Flammability Limits: not determined

Extinguishing Media: Water spray or fog, 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-(SIT8376.0)

Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose, LC: Lethal Concentration; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; HMIS: Hazardous Material Information System; CAS No.: Chemical Abstract Service Registration Number
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ENVIRONMENTAL INFORMATION

Spill response: Sweep material and transfer to a suitable container for disposal.

Recommended Disposal: Incinerate. Follow all chemical pollution control regulations.

HEALTH HAZARD DATA

Eye Contact: May cause immediate or delayed severe eye irritation.

Skin contact: No information available. Avoid Contact.

Inhalation: No information available. Avoid inhalation.

Oral Toxicity: not determined

Inhalation Toxicity: not determined

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. Administer oxygen if needed. Call a physician.

INGESTION: Never give fluids or induce vomiting if patient is unconscious or having convulsions. To conscious individual give one full cup of water to dilute ingested material. Get medical attention.

REACTIVITY DATA

Stability: Stable in sealed containers under dry inert atmosphere. The product can generate small amounts of hydrogen when exposed to alkalis and protic materials such as water and alcohol in combination with metal salts such as aluminum chloride or precious metals such as platinum.

Conditions to avoid: Store away from alkalis, oxidizers, metal salts, precious metals, chlorine, bromine.

Hazardous decomposition products: Hydrogen, formaldehyde, carbon monoxide, organic acid vapors and silicon dioxide.

SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV, NIOSH approved organic vapor 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 and industrial use only.

Storage and Handling: Store in sealed containers.

TRANSPORTATION

DOT SHIPPING NAME: CHEMICALS, NOI.

DOT HAZARD CLASS: NOT REGULATED

DOT LABEL: Not Required

DOT ID No: Not Required

Prepared by safety and environmental affairs

ISSUE DATE: SIT8376.0: 4/30/03

SUPERSEDES: 2/27/97

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