

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **PHENYLSILATRANE- SIP6754.0**

CHEMICAL NAME: PHENYLSILATRANE

SYNONYMS: PHENYLTRIPTYCHSILOXAZOLIDINE

CHEMICAL FAMILY: ORGANOSILANE

FORMULA: C₁₂H₁₇NO₃Si

HMIS CODES HEALTH: 4 FLAMMABILITY: 1 REACTIVITY: 0

INGREDIENTS

IDENTITY	CAS NO.	%	TLV	OSHA PEL
PHENYLSILATRANE (OSHA PEL, nuisance dust: 15mg/m ³) - Gelest recommendation 0.1mg/m ³	2097-19-0	>95	not established	not established

PHYSICAL DATA

Boiling Point: >175°C at 25mm
Specific Gravity: >1
Vapor Density: not determined
% volatiles: <3
Molecular Weight: 251.35
Appearance & Color: White powder

Melting Point: 207-8°C
Vapor Pressure not determined
Solubility in water: insoluble
Evaporation rate: N/A
Other: NA

FIRE & EXPLOSION DATA

Flash Point, COC: >110°C (>230°F) Autoignition Temp.: not determined
Flammability Limits- LEL: NA UEL: NA

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-(SIP6754.0)

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: Will cause immediate or delayed severe 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 will irritate the respiratory tract. Overexposure may produce coughing, headache and nausea.

Oral Toxicity: not determined - assumed toxic

TOXICITY- ipr rat, LD50: 0.30mg/kg - highly toxic by intraperitoneal injection

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.

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

Incompatibility (materials to avoid): Contact with oxidizing agents.

Hazardous decomposition products: Organic amine particulates.

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.

TRANSPORTATION

DOT SHIPPING NAME: TOXIC SOLID, ORGANIC. N.O.S. (PHENYLSILATRANE)

DOT HAZARD CLASS: 6.1

DOT LABEL: TOXIC

DOT ID No: 2811

PG: II

Prepared by safety and environmental affairs MSDS ISSUE DATE SIP6754.0: 1/31/14
SUPERSEDES: none

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