

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **TETRAKIS(TRICHLOROSILYLETHYL)SILANE, 90% - SIT7292.0**
CHEMICAL NAME: TETRAKIS(TRICHLOROSILYLETHYL)SILANE
SYNONYMS: TETRAKIS(2-TRICHLOROSILYLETHYL)SILANE
CHEMICAL FAMILY: CHLOROSILANE
FORMULA: C₈H₁₆Cl₁₂Si₅

HMIS CODES HEALTH: 3 FLAMMABILITY: 1 REACTIVITY: 1

INGREDIENTS

IDENTITY	CAS NO.	%	TLV	OSHA PEL
TETRAKIS(TRICHLOROSILYLETHYL)SILANE	67776-46-9	>85		not established

PHYSICAL DATA

Boiling Point: 165-95°C at 0.02mm	Melting Point: 48-52°C
Specific Gravity: not determined	Vapor Pressure: not determined
Vapor Density (air = 1): >1	Solubility in water: reacts
% volatiles: NA	Evaporation rate: NA
Molecular Weight: 678.08	Other: NA
Appearance & Color: Solid with acrid odor	

FIRE & EXPLOSION DATA

Flash Point, COC: >65°C (>149°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-(SIT7292.0)

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: Will cause immediate or delayed severe eye irritation.

Skin contact: May produce irritation or contact dermatitis. Material generates hydrochloric acid on contact with water or moisture in skin, eyes and mucous membranes and has an irritating, dehydrating effect on overexposed tissue. Prompt and thorough washing with soap and water will reduce or eliminate potential dermal effects.

Inhalation: Inhalation may irritate the respiratory tract. Overexposure can cause lung damage - pulmonary toxin.

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

Conditions to avoid: Material decomposes in contact with moist air or with water liberating hydrochloric acid. Avoid contact with oxidizing agents.

Hazardous decomposition products: Hydrochloric acid vapors and silicon dioxide.

-2-(SIT7292.0)

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 use only.

Storage and Handling: Store in sealed containers.

Containers require grounding during use.

TRANSPORTATION

DOT SHIPPING NAME: CHLOROSILANES, CORROSIVE, N.O.S.
(TETRAKIS(TRICHLOROSILYLETHYL)SILANE)

DOT HAZARD CLASS: 8

DOT LABEL: CORROSIVE

DOT ID No: UN2987

PG: II

Prepared by safety and environmental affairs

ISSUE DATE SIT7292.0: 8/6/07

SUPERSEDES: 7/25/06

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