

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **2-(TRIMETHYLSILOXY)FURAN - SIT8571.3**
CHEMICAL NAME: 2-(TRIMETHYLSILOXY)FURAN
SYNONYMS: FURFURYLOXYTRIMETHYLSILANE
CHEMICAL FAMILY: ORGANOSILANE
FORMULA: C₇H₁₂O₂Si

HMIS CODES HEALTH: 2 FLAMMABILITY: 4 REACTIVITY: 1

INGREDIENTS

IDENTITY	CAS NO.	%	TLV
2-(TRIMETHYLSILOXY)FURAN	61550-02-5	>95	not established

PHYSICAL DATA

Boiling Point: 40-42°C at 25mm	Freezing Point: <0°C
Specific Gravity: 0.950	Vapor Pressure, 25°: <25mm
Vapor Density (air=1): >1	Solubility in water: insoluble, reacts slowly
% volatiles: 100	Evaporation rate: not determined
Molecular Weight: 156.26	Other: NA
Appearance & Color: Clear to straw liquid with mild pleasant odor.	

FIRE & EXPLOSION DATA

Flash Point, COC: 18°C (64°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-(SIT8571.3)

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: Hydrolyze material by mixing with water in a hood. Organic layer 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: Vapors may cause immediate or delayed severe eye irritation. Liquid can cause severe conjunctivitis and corneal damage

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 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.

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 stored.

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

Incompatibility (materials to avoid): Reacts with water and moisture in air liberating furfuryl alcohol.

Avoid contact with peroxides, oxidizing agents, acids.

Hazardous decomposition products: Organic Acid Vapors.

-2-(SIT8571.3)

SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV air-supplied or organic vapor 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.

Ground all containers during material transfer.

Storage and Handling: Store in sealed containers.

TRANSPORTATION

DOT SHIPPING NAME: FLAMMABLE LIQUID, N.O.S. (2-(TRIMETHYLSILOXY)FURAN)

DOT HAZARD CLASS: 3

DOT LABELS: FLAMMABLE LIQUID

DOT ID No: UN 1993

PG: II

Prepared by safety and environmental affairs

ISSUE DATE SIT8571.3: 2/27/04

SUPERSEDES: none

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