

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME ON LABEL: **ACETOXYHEPTAMETHYLCYCLOTETRASIOXANE - SIA0038.0**

CHEMICAL NAME: ACETOXYHEPTAMETHYLCYCLOTETRASIOXANE

SYNONYMS: ACETOXY-D4

CHEMICAL FAMILY: ORGANOSILANE

FORMULA: C₉H₂₄O₆Si₄

HMIS CODES HEALTH: 3 FLAMMABILITY: 2 REACTIVITY: 1

INGREDIENTS

IDENTITY	CAS NO.	%	TLV
ACETOXYHEPTAMETHYLCYCLOTETRASIOXANE	14697-86-0	>95	not established (acetic acid; TLV(TWA): 10ppm)

PHYSICAL DATA

Boiling Point: 80°C @ 4mm

Specific Gravity: 1.035

Vapor Density (air =1): >1

% volatiles: 100

Molecular Weight: 340.63

Appearance & Color: Clear to straw liquid with mild vinegar-like odor

Freezing Point: <0°C

Vapor Pressure, 25°: <0.01mm

Solubility in water: soluble

Evaporation rate: not determined

Other: NA

FIRE & EXPLOSION DATA

Flash Point, COC: >65°C (>150°F) Autoignition Temp. not determined

Flammability Limits: not determined

Extinguishing Media: Dry chemical extinguisher, dry soda ash.

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.

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ENVIRONMENTAL INFORMATION

Spill response: 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 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 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: Organic acid vapors, acetic acid

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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: CORROSIVE LIQUID, ACIDIC, ORGANIC N.O.S.
(DI-t-BUTOXYDIACETOXYSILANE)

DOT HAZARD CLASS: 8

DOT LABEL: CORROSIVE

DOT ID No: UN3265

ERG No.: 154

PG: III

Prepared by safety and environmental affairs

ISSUE DATE SIA0038.0: 1/11/11

SUPERSEDES: none

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