

**MATERIAL SAFETY
DATA SHEET**

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NAME ON LABEL:

(3,3,3-TRIFLUOROPROPYL)METHYLCYCLOTRISILOXANE

CHEMICAL NAME: (3,3,3-TRIFLUOROPROPYL)METHYLCYCLOTRISILOXANE

SYNONYMS: 1,3,5-TRIS(3,3,3-TRIFLUOROPROPYL)-1,3,5-TRIMETHYLCYCLOTRISILOXANE

CHEMICAL FAMILY: ORGANOSILANE

FORMULA: C₁₂H₂₁F₉O₃Si₃

HMIS CODES HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 0

INGREDIENTS

IDENTITY

(3,3,3-TRIFLUOROPROPYL)METHYLCYCLOTRISILOXANE

CAS NO.	%	TLV
2374-14-3	>95	not established

PHYSICAL DATA

Boiling Point: 95°C at 3mm

Melting Point: 35°C

Specific Gravity: 1.24

Vapor Pressure, 25°C: <1mm

Vapor Density (air=1): >1

Solubility in water: insoluble

% volatiles: NA

Evaporation rate: NA

Molecular Weight: 468.55

Other: NA

Appearance & Color: Translucent to white waxy solid

FIRE & EXPLOSION DATA

Flash Point, COC : 121°C (250°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 of hydrogen fluoride, trifluoropropionaldehyde and organic acid vapors may develop when material is exposed to open flame.

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.

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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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HEALTH HAZARD DATA

Eye Contact: May cause immediate or delayed eye irritation.

Skin contact: Prolonged exposure may produce irritation or contact dermatitis.

Prompt and thorough washing with soap and water will reduce or eliminate potential dermal effects.

Inhalation: Inhalation of vapors or particulates of 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 under a dry inert atmosphere.

Conditions to avoid: Combustible; avoid contact with heat, sparks or open flame. If heated in air above 150°C toxic vapors of trifluoropropionaldehyde may form.

Incompatibility (materials to avoid): Avoid contact with anhydrous base including metal organics such as butyl lithium. Avoid contact with alcohols, acids, oxidizers.

Hazardous decomposition products: Organic acid vapors, trifluoropropionaldehyde, formaldehyde and hydrogen fluoride.

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 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

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