

**GELEST, INC.**

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MATERIAL SAFETY  
DATA SHEET

EMERGENCY TELEPHONE  
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **HEXA-n-BUTYLDISILOXANE - SIH5860.0**

CHEMICAL NAME: HEXA-n-BUTYLDISILOXANE

SYNONYMS: BIS(TRI-n-BUTYLSILYL)OXIDE

CHEMICAL FAMILY: SILICONE

FORMULA: C<sub>24</sub>H<sub>54</sub>OSi<sub>2</sub>

HMIS CODES HEALTH: 1 FLAMMABILITY: 2 REACTIVITY: 0

**INGREDIENTS**

IDENTITY	CAS NO.	%	TLV
OSHA HAZARDOUS COMPONENTS:	NONE FOUND		
OSHA NON-HAZARDOUS COMPONENTS:			
HEXA-n-BUTYLDISILOXANE	2973-30-0	>97	not established

**PHYSICAL DATA**

Boiling Point: 398°C	Freezing Point: <0°C
Specific Gravity: 0.873	Vapor Pressure, 25°: <0.1mm
Vapor Density (air = 1): >1	Solubility in water: insoluble
% volatiles: <3	Evaporation rate (butyl acetate = 1): <0.11
Molecular Weight: 414.86	Viscosity: 4-5 cSt
Appearance & Color: Clear, odorless liquid	

**FIRE & EXPLOSION DATA**

Flash Point, COC: >110°C (>230°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. Liquid generates strong static charge when poured.

-1-(SIH5860.0)

## 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: Vapors may cause immediate or delayed mild eye irritation. Liquid may cause irritation.

Skin contact: May produce irritation. Prompt and thorough washing with soap and water will reduce or eliminate potential dermal effects.

Inhalation: Inhalation of vapors or particulates 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 in a cool place.

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

Incompatibility (materials to avoid): Avoid contact with peroxides, oxidizing agents.

Hazardous decomposition products: Organic Acid Vapors.

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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 amine 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: CHEMICALS, NOI.

DOT HAZARD CLASS: Not Regulated

DOT LABELS: Not Required

DOT ID No: Not Required

Prepared by safety and environmental affairs    MSDS ISSUE DATE SIH5860.0: 10/28/15  
SUPERSEDES: none

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