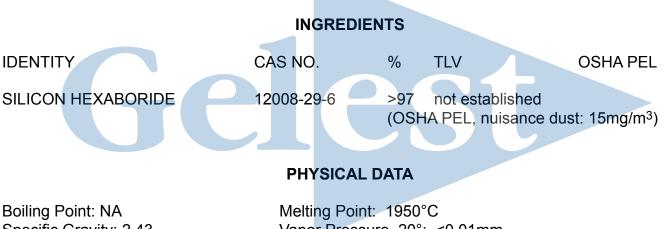
GELEST, INC.

11 East Steel Rd. Morrisville, PA 19067 Phone: (215) 547-1015

MATERIAL SAFETY DATA SHEET EMERGENCY TELEPHONE CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **SILICON HEXABORIDE, powder - SIS6968.0** CHEMICAL NAME: SILICON HEXABORIDE SYNONYMS: SILICON BORIDE CHEMICAL FAMILY: INORGANIC SILICON COMPOUND FORMULA: SIB₆

HMIS CODES HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0



Specific Gravity: 2.43 Vapor Density (air = 1): NA % volatiles: 100 Molecular Weight: 92.95 Appearance & Color: Dark gray powder

Melting Point: 1950°C Vapor Pressure, 20°: <0.01mm Solubility in water: insoluble Evaporation rate: NA Other: NA

FIRE & EXPLOSION DATA

Flash Point, COC: none Autoignition Temp.: not applicable Flammability Limits- LEL: NA UEL: NA

Extinguishing Media: Not combustible. Special Fire Fighting Procedures: Avoid eye and skin contact. Do not breathe particulates. Unusual Fire and Explosion Hazards: None

-1-(SIS6968.0)

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.: Chemcial Abstract Service Registration Number Gelest, Inc. © 2008

ENVIRONMENTAL INFORMATION

Spill response: Sweep material, avoiding inalation of particulates.

Recommended Disposal: Landfill. Follow all chemical pollution control regulations.

HEALTH HAZARD DATA

Eye Contact: Particulates may cause immediate or delayed eye irritation.

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

Inhalation: Inhalation of 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. Conditions to avoid: None determined Incompatibility (materials to avoid): None determined Hazardous decomposition products: None known

-2-(SIS6968.0)

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SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV for particulates, a dust mask is required. Eve and Face Protection: Safety glasses.

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. While not flammable, the ability of particles to generate static charge may present a hazard when used in combination with flammable liquids.

TRAI	NSPORTATION
DOT SHIPPING NAME: NOT REGULATED DOT HAZARD CLASS: NOT REGULATED DOT LABELS: NOT REQUIRED DOT ID No: NOT REQUIRED	est

Prepared by safety and environmental affairs

ISSUE DATE SIS6968.0: 7/7/07 SUPERSEDES: none

The information contained in this document has been gathered from reference materials and/or Gelest, Inc. test data and is to the best knowledge and belief of Gelest, Inc. accurate and reliable. Such information is offered solely for your consideration, investigation and verification. It is not suggested or guaranteed that the hazard precautions or procedures described are the only ones which exist. Gelest, Inc. makes no warranties, express or implied, with respect to the use of such information and assumes no responsibility therefore. Information on this safety data sheet is not intended to constitute a basis for product specifications.

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