

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: **SiBrid® ETHYLENE-DIMETHICONE copolymer - PEDC-21**

CHEMICAL NAME: ETHYLENE-DIMETHYLSILOXANE copolymer

SYNONYMS: SILICONE OIL

CHEMICAL FAMILY: SILICONE

HMIS CODES: HEALTH: 1 (Slightly toxic- May cause slight irritation)

FLAMMABILITY: 1 (Slightly combustible- Requires strong heating to ignite)

REACTIVITY: 0 (Normally stable, does not react with water)

INGREDIENTS

IDENTITY	CAS NO.	%	TLV (threshold limit value)	OSHA PEL (permissible exposure limit)
OSHA HAZARDOUS COMPONENTS: NONE FOUND				
OSHA NON-HAZARDOUS COMPONENTS:				
ETHYLENE-DIMETHYLSILOXANE copolymer	1035218-85-9	>95	not established	not established

PHYSICAL DATA

Boiling Point: >205°C	Melting Point: <-40°C
Specific Gravity: 0.92	Vapor Pressure: <0.1mm
Vapor Density, air = 1: NA	Solubility in water: insoluble
% volatiles: <3	Evaporation rate: NA
Molecular Weight: >1000	Viscosity: 75-125 cSt
Appearance & Color: Clear to straw viscous liquid with mildly paraffinic aroma	

FIRE & EXPLOSION DATA

Flash Point, COC: >150°C (>302°F) Autoignition Temp.: not determined
Flammability Limits: not determined

Extinguishing Media: Water spray or fog, 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-(PEDC-21)

ENVIRONMENTAL INFORMATION

Spill response: Sweep material and transfer to a suitable container for disposal.

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

HEALTH HAZARD DATA

Eye Contact: May cause immediate or delayed mild eye irritation.

Skin contact: Irritation not expected from available information.

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. Administer oxygen if needed. Call a physician.

INGESTION: Never give fluids or induce vomiting if patient is unconscious or having convulsions. To conscious individual give one full cup of water to dilute ingested material. Get medical attention.

REACTIVITY DATA

Stability: Stable

Conditions to avoid: Store away from oxidizers.

Hazardous decomposition products: Organic acid vapors and silicon dioxide.

SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is recommended. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV, NIOSH approved organic vapor 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.

-2-(PEDC-21)

OTHER PRECAUTIONS

For research and industrial use only.

Storage and Handling: Store in sealed containers.

Spillage of this material may create a slippery condition for foot or vehicle traffic.

TRANSPORTATION

DOT SHIPPING NAME: Oils, lubricating, O/T Petroleum, NOI

DOT HAZARD CLASS: None required

DOT LABEL: None required

DOT ID No: None required

Prepared by safety and environmental affairs MSDS ISSUE DATE PEDC-21: 8/7/15
SUPERSEDES: 2/27/14

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.

-3-(PEDC-21)

© 2015 Gelest Inc. Morrisville, PA 19067