

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 687.50

Revision Date: April 10, 2012

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Silicone Oil

Flinn Scientific, Inc. P.O. Box 219 Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

SECTION 2 — COMPOSITION, INFORMATION ON INGREDIENTS

Polydimethylsiloxane, 100%

CAS#: 63148-62-9

SECTION 3 — HAZARDS IDENTIFICATION

Colorless transparent fluid. Odorless.

May cause skin, eye and stomach irritation. Not for topical use. Avoid aspiration of any oil into the lungs.

Combustible liquid.

FLINN AT-A-GLANCE

Health-1

Flammability-1

Reactivity-0

Exposure-0

Storage-0

0 is low hazard, 3 is high hazard

SECTION 4 — FIRST AID MEASURES

Call a physician and seek medical attention for further treatment, observation, and support after first aid.

Inhalation: Remove to fresh air at once. If breathing has stopped, give artificial respiration immediately. Seek immediate medical attention if oil has aspirated into the lungs.

Eye or External: Immediately flush with fresh water for at least 15 minutes.

Internal: Rinse mouth. Give large quantities of water for dilution. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Combustible liquid.

Flash point: > 300 °C.

Fire Fighting Instructions: Use triclass, dry chemical fire extinguisher. Firefighters should wear PPE and SCBA with full facepiece operated in positive pressure mode.

NFPA CODE

H-1

F-1

R-0

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from area and ventilate area. Contain spill with sand or absorbent material; deposit in sealed bag or container. See Sections 8 and 13 for further information.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Inorganic Miscellaneous

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and chemical-resistant apron.

Exposure Guidelines: TLV 10 mg/m³ as oil mist (ACGIH)

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Colorless, odorless, transparent liquid.
Solubility: Insoluble in water and acids.
Slightly soluble in toluene.

Boiling Point: >140 °C (decomposes @ 250 °C)
Melting Point: -50 °C
Specific gravity: 0.97

SECTION 10 — STABILITY AND REACTIVITY

Shelf life: Indefinite, if stored properly.
Generates carbon monoxide and carbon dioxide during combustion. May release small amounts of formaldehyde at elevated temperature. The amount of formaldehyde released at 200 C is less than 0.001%

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: N.A.
Chronic effects: N.A.
Target organs: N.A.

ORL-RAT LD₅₀: >17 g/kg
IHL-RAT LC₅₀: N.A.
SKN-RBT LD₅₀: >2 g/kg

N.A. = Not available, not all health aspects of this substance have been fully investigated.

SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply, before proceeding.
Flinn Suggested Disposal Method #26a is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Not regulated
Hazard class: N/A
UN number: N/A
N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

Not listed.

SECTION 16 — OTHER INFORMATION

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**Consult your copy of the *Flinn Science Catalog/Reference Manual*
for additional information about laboratory chemicals.**