

FLINN SCIENTIFIC, INC.

Safety Data Sheet (SDS)

SDS #: 687.50

Revision Date: March 25, 2014

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

Signal Word **WARNING**

Pictograms

SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Skin corrosion or irritation (Category 3). Causes mild skin irritation (H316).

Hazard class: Serious eye damage or irritation (Category 2B). Causes eye irritation (H320).

SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Polydimethylsiloxane, 100%	63148-62-9	$(-\text{Si}(\text{CH}_3)_2\text{O}-)_n$	Varies	

SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell.

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). **If eye irritation persists:** Get medical advice or attention (P337+P313). **If skin irritation occurs:** Get medical advice or attention (P332+P313).**If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

SECTION 5 — FIRE FIGHTING MEASURES

Combustible liquid.

Flash point: > 300 °C.

In case of fire: Use a tri-class dry chemical fire extinguisher.

NFPA CODE

H-1

F-1

R-0

SECTION 6 — ACCIDENTAL RELEASE MEASURES

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 and clothing. Wash hands thoroughly after handling.
Exposure guidelines: 10 mg/m³ as oil mist (OSHA)

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Colorless transparent liquid. Odorless.
Soluble: 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.

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