

Safety Data Sheet (SDS) **6-20-2022: File reviewed, more current MSDS/SDS not available. JMC**

## SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Silicone Oil

Signal Word  
**WARNING**

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

Chemtrec Emergency Phone Number: (800) 424-10249

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	(-Si(CH <sub>3</sub> ) <sub>2</sub> 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 eyes:** 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: greater than 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.

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## SECTION 7 — HANDLING AND STORAGE

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Flinn Suggested Chemical Storage Pattern: Inorganic Miscellaneous

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## SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

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Avoid contact with eyes and clothing. Wash hands thoroughly after handling.

Exposure guidelines: 10 mg/m<sup>3</sup> as oil mist (OSHA)

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## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

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Colorless transparent liquid. Odorless.

Boiling Point: >140 °C (decomposes @ 250 °C)

Soluble: Insoluble in water and acids.

Melting Point: -50 °C

Slightly soluble in toluene.

Specific gravity: 0.97

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## SECTION 10 — STABILITY AND REACTIVITY

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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%

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## SECTION 11 — TOXICOLOGICAL INFORMATION

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Acute effects: N.A.

ORL-RAT LD<sub>50</sub>: greater than 17 g/kg

Chronic effects: N.A.

IHL-RAT LC<sub>50</sub>: N.A.

Target organs: N.A.

SKN-RBT LD<sub>50</sub>: greater than 2 g/kg

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## SECTION 12 — ECOLOGICAL INFORMATION

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Data not yet available.

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## SECTION 13 — DISPOSAL CONSIDERATIONS

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Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #26a is one option.

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## SECTION 14 — TRANSPORT INFORMATION

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

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## SECTION 15 — REGULATORY INFORMATION

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Not listed.

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## SECTION 16 — OTHER INFORMATION

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

N/A = Not applicable

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

Revision Date: March 25, 2014

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