

# Silicone Oil 500,000 cSt (Dimethicone / PDMS)

Safety Data Sheet · complies with OSHA HazCom 2012 (29 CFR 1910.1200) / GHS · CAS 63148-62-9

## §1 IDENTIFICATION

|                                |                                                                                                                     |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Product Name                   | Silicone Oil 500,000 cSt (Dimethicone / PDMS)                                                                       |
| Common Name                    | Silicone Fluid                                                                                                      |
| Recommended Use                | Cosmetics; intermediate process regulators; lubricants and lubricant additives; release agents                      |
| Restrictions on Use            | Industrial and professional use only                                                                                |
| <b>Manufacturer / Supplier</b> |                                                                                                                     |
| Company                        | RawSource Inc.                                                                                                      |
| Address                        | 515 E Las Olas Blvd, Suite 1301, Fort Lauderdale, FL 33301, USA                                                     |
| Telephone                      | +1 (754) 306-4363                                                                                                   |
| Email / Web                    | solutions@rawsource.com · rawsource.com                                                                             |
| Emergency Telephone            | +1 (754) 306-4363 (business hours) — for a chemical emergency also contact your national poison / emergency service |

## §2 HAZARD(S) IDENTIFICATION

|                           |                                             |
|---------------------------|---------------------------------------------|
| GHS Hazard Classification | None — not a hazardous substance or mixture |
| Signal Word               | None                                        |
| Hazard Statement(s)       | None                                        |
| Pictogram(s)              | None                                        |

### Precautionary statement(s)

P234 : Keep only in original container.

P280 : Wear protective gloves / protective clothing / eye protection / face protection.

P301 + P330 + P331 + P313 : IF SWALLOWED — Rinse mouth. Do NOT induce vomiting. Get medical advice / attention.

P302 + P352 + P313 : IF ON SKIN — Wash with plenty of water. Get medical advice / attention.

P304 + P340 + P313 : IF INHALED — Remove person to fresh air and keep comfortable for breathing. Get medical advice / attention.

P305 + P351 + P338 + P313 : IF IN EYES — Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do; continue rinsing. Get medical advice / attention.

P370 + P378 : In case of fire — use alcohol-resistant foam or CO2 to extinguish.

P403 + P410 : Store in a well-ventilated place. Protect from sunlight.

P501 : Dispose of contents / container to authorized waste-disposal agencies in accordance with local / regional / national / international regulations.

|               |                                                   |
|---------------|---------------------------------------------------|
| Other Hazards | No data available. Not classified as PBT or vPvB. |
|---------------|---------------------------------------------------|

## §3 COMPOSITION / INFORMATION ON INGREDIENTS

|                 |                                         |
|-----------------|-----------------------------------------|
| Substance Name  | Polydimethylsiloxane                    |
| CAS No.         | 63148-62-9 (also reported as 9006-65-9) |
| Chemical Nature | Siloxanes and silicones, dimethyl       |
| Concentration   | ≈ 100%                                  |

#### §4 FIRST-AID MEASURES

**If inhaled**

Move the person to fresh air. Consult a physician if any symptoms occur.

**In case of skin contact**

Flush with water, then wash with soap and water. Consult a physician if any symptoms occur.

**In case of eye contact**

Flush eyes with flowing water for 15 minutes. Consult a physician if any symptoms occur.

**If swallowed**

Never induce vomiting. Drink water to dilute the ingested material. Consult a physician if any symptoms occur.

**Most important symptoms or effects, acute or delayed**

None known.

#### §5 FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Alcohol-resistant foam, CO2

**Unsuitable Extinguishing Media**

Acids, alkalis and dry chemicals

**Specific hazards arising from the chemical**

Combustion may produce organic acid vapor, carbon oxides, silicon dioxide, and traces of incompletely burned carbon compounds and formaldehyde at high temperature or in flames.

**Special protective equipment and precautions for firefighters**

Self-contained breathing apparatus and protective clothing should be worn when fighting large fires involving chemicals. Avoid skin / eye contact; do not breathe fumes. Prevent fire-control run-off from entering streams or drinking-water supply.

#### §6 ACCIDENTAL RELEASE MEASURES

**Personal precautions and protective equipment**

Use personal protective equipment.

**Environmental precautions**

Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so.

**Methods and materials for containment and cleanup**

Absorb with an inert absorbent (sand, sawdust). Scrape up and place in an appropriate closed container. Do not flush to drain.

#### §7 HANDLING AND STORAGE

**Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition.

**Conditions for safe storage, including incompatibilities**

Keep in a properly labeled, closed container. Keep cool. Protect from sunlight. Do not store with strong oxidizing agents.

#### §8 EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control Parameters**

Contains no substances with occupational exposure-limit values.

**Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands after work. Ensure adequate ventilation, especially in confined areas.

**Eye Protection**

Tightly fitting safety goggles

**Hand Protection**

Use gloves; dispose of contaminated gloves

**Skin Protection**

Wear suitable protective clothing; wash skin after contact

**Respiratory Protection**

Use of a safety mask during handling

## §9 PHYSICAL AND CHEMICAL PROPERTIES

|                   |                                                      |
|-------------------|------------------------------------------------------|
| Physical State    | Liquid                                               |
| Colour            | Colourless                                           |
| Odour             | Characteristic                                       |
| Viscosity @ 25 °C | ≈ 500,000 cSt                                        |
| Solubility        | Soluble in toluene; insoluble in water               |
| Flash Point       | > 93 °C — not classified as a flammable liquid (GHS) |

## §10 STABILITY AND REACTIVITY

|                                    |                                                                       |
|------------------------------------|-----------------------------------------------------------------------|
| Reactivity                         | Oxidizing material can cause a reaction                               |
| Chemical Stability                 | Stable under normal conditions                                        |
| Possibility of Hazardous Reactions | Hazardous polymerization does not occur                               |
| Conditions to Avoid                | Exposure to moisture, heat, open flames and other sources of ignition |
| Incompatible Materials             | Oxidizing agents, strong bases (alkali) and isocyanates               |

### Hazardous decomposition products

Thermal decomposition may yield organic acid vapor, carbon oxides, silicon dioxide, and traces of incompletely burned carbon compounds and formaldehyde at high temperature or in flames.

## §11 TOXICOLOGICAL INFORMATION

|                                   |                   |
|-----------------------------------|-------------------|
| Acute Toxicity                    | No data available |
| Skin Corrosion / Irritation       | No data available |
| Serious Eye Damage / Irritation   | No data available |
| Respiratory or Skin Sensitization | No data available |
| Carcinogenicity                   | No data available |

## §12 ECOLOGICAL INFORMATION

No data available.

## §13 DISPOSAL CONSIDERATIONS

Incinerate in a furnace where permitted under national and local regulations. Follow all chemical pollution-control regulations. Consult state and local regulations regarding the proper disposal of this material.

## §14 TRANSPORT INFORMATION

|                 |                             |
|-----------------|-----------------------------|
| UN RTDG         | Not regulated for transport |
| IATA-DGR (Air)  | Not regulated for transport |
| IMDG Code (Sea) | Not regulated for transport |

## §15 REGULATORY INFORMATION

|                              |                                                                                                                                                                      |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| United States TSCA Inventory | All components of this product are in compliance with the inventory listing requirements of the US Toxic Substances Control Act (TSCA) Chemical Substance Inventory. |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## §16 OTHER INFORMATION

|             |                                           |
|-------------|-------------------------------------------|
| NFPA Rating | Health 0 · Flammability 1 · Instability 0 |
|-------------|-------------------------------------------|

Prepared and issued by RawSource Inc. This SDS supersedes any prior version for this material.

This Safety Data Sheet is provided in good faith and is correct to the best of RawSource's knowledge at the date of publication. It is a guidance for safe handling, use, processing, storage, transport, disposal and release, and is not a warranty or quality specification. It relates only to the specific material identified above. Users must determine the conditions of safe use in their own context.