



## Safety Data Sheet WESTCO™ SILICONE OIL 350

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name and/or number: **WESTCO SILICONE OIL 350**  
Supplier name: **Western Reserve Chemicals**  
Address: **4837 Darrow Road**  
**Stow, Ohio 44224 USA**

Telephone: **330-650-2244**

Fax **330-650-2255**

Website **www.wrchem.com**

Generic Description: Silicone

Physical Form: Liquid

Color: colorless

Odor: Odorless

NFPA Profile: Health 0 Flammability 1 Instability/Reactivity 0

### 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a hazardous substance or mixture.

#### POTENTIAL HEALTH EFFECTS

##### Acute Effects

Eye: Direct contact may cause temporary redness and discomfort.

Skin: No significant irritation expected from a single short-term exposure.

Inhalation: No significant effects expected from a single short-term exposure.

Oral: Low ingestion hazard in normal.

##### Prolong/Repeated Exposure Effects

Skin: No known applicable information.

Inhalation: No known applicable information.

Oral: No known applicable information.

##### Signs and Symptoms of Overexposure

No known applicable information.



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#### **Medical Conditions Aggravated by Exposure**

No known applicable information.

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Please refer to Section 11 for the detailed toxicology information.

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

This is not a hazardous substance as defined in the OSHA Hazard Communication Standard.

Substance Name: Dimethicone

CAS No.: 63148-53-8

### **4. FIRST AID MEASURES**

Eye: If irritation occurs, flush eye(s) with lukewarm gently flowing water for 5 minutes. Obtain medical attention.

Skin: No health effects expected. If irritation does occur flush with lukewarm, gently flowing water for minutes. If irritation persists, obtain medical advice.

Inhalation: If symptoms are experienced remove source of contamination or move victim to fresh air. If irritation persists, obtain medical advice.

Oral: If irritation or discomfort occur, obtain medical advice.

Notes to Physician: Treat according to person's condition and specifics of exposure.

### **5. FIRE FIGHTING MEASURES**

Flash point:  $\geq 300$

Autoignition Temperature: Not determined.

Flammability limits in Air: Not determined.

Extinguishing Media: On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide(CO<sub>2</sub>),dry chemical or water spray. Water can be used to cool fire exposed containers.



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Fire Fighting Measures: Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

Unusual Fire Hazards: None.

## 6. ACCIDENTAL

### RELEASE MEASURES

Containment/Clean up: Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protection equipment recommendations described in Sections 5 and 8. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of stream, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

## 7. HANDLING AND STORAGE

Use with adequate ventilation. Traces of benzene(carcinogen) may form if heated in air above 149°C Provide ventilation to control exposure within inhalation guidelines when handling at elevated temperatures.

Review the OSHA benzene regulation for detailed information on safe handling requirements. Avoid eye contact.

Use reasonable care and store away from oxidizing materials.



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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Component Exposure Limits

There are no components with workplace exposure limits.

### Engineering Controls

Local Ventilation: None should be needed.

General Ventilation: Recommended.

### Personal Protective Equipment for Routing Handling

Eyes: Use proper protection-safety glasses as a minimum.

Skin: Washing at mealtime and end of shift is adequate.

Suitable Gloves: Handle in accordance with good industrial hygiene and safety practices.

Inhalation: No respiratory protection should be needed.

Suitable Respirator: No should be needed.

### Personal Protective Equipment for Spills

Eyes: Use proper protection-safety glasses as a minimum.

Skin: Washing at mealtime and end of shift is adequate.

Inhalation/Suitable

Respirator: None should be needed.

Precautionary Measures: Avoid eye contact. Use reasonable care.

Comments: Traces of benzene (carcinogen) may form if heated in air above 149°C. Provide ventilation to control vapor exposure within inhalation guidelines when handling at elevated temperatures. Review the OSHA benzene regulation for detailed information on safe handling requirements.

Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions. For further information regarding aerosol inhalation toxicity, please refer to the guidance document regarding the use of silicone-based materials in aerosol applications that has been developed by the silicone industry ([www.SEHSC.com](http://www.SEHSC.com)).



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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Liquid
Color:	Colorless
Odor:	odorless
Specific Gravity(25°C):	0.975
Flash point(open cup):	>300
Fire point, °C:	Not Determined
Vapor tension at 200°C,Pa:	Not Determined
Vapor Density:	Not Determined
Refractive index at 25°C:	1.404
Volatile(150°C,3h)%	Not Determined
Autoignition Temperature:	Not Determined
Flammability Limits in Air:	Not Determined

## 10. STABILITY AND REACTIVITY

Chemical Stability:	Stable.
Hazardous Polymerization:	Hazardous polymerization will not occur.
Conditions to Avoid:	None.
Materials to Avoid:	Oxidizing material can cause a reaction.

### Hazardous Decomposition Products:

Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.



## 11. TOXICOLOGICAL INFORMATION

### Special Hazard Information on Components

No known applicable information.

## 12. ECOLOGICAL INFORMATION

### Environmental Fate and Distribution

Complete information is not yet available.

### Environmental Effects

Complete information is not yet available.

### Fate and Effects in Waste Water Treatment Plants

Complete information is not yet available.

#### Ecotoxicity Classification Criteria

Hazard Parameters(LC50 or EC50)	High	Medium	Low
Acute Aquatic Toxicity(mg/L)	$\leq 1$	$>1 \text{ and } \leq 100$	$>100$
Acute Terrestrial Toxicity	$\leq 100$	$>100 \text{ and } \leq 2000$	$>2000$

This table is adapted from "Environmental Toxicology and Risk Assessment", ASTM STP 1179,p.34,1993.

This table can be used to classify the ecotoxicity of this product when ecotoxicity data is listed above.

Please read the other information presented in the section concerning the overall ecological safety of this material.

## 13. DISPOSAL CONSIDERATIONS

### RCRA Hazard Class(40 CFR 261)

When a decision is made to discard this material, as received, is it classified as a hazardous waste? Yes, state or local laws may impose additional regulatory requirements regarding disposal.

## 14. TRANSPORT INFORMATION

### DOT Road Shipment Information (49 CFR 172.101)

Not subject to DOT.



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**Ocean Shipment(IMDG)**

Not subject to IMDG code.

**Air Shipment(IATA)**

Not subject to IATA regulations.

**15. REGULATORY INFORMATION**

Contents of this SDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**TSCA Status:** All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**EPA SARA Title III Chemical Listings**

**Section 302 Extremely Hazardous Substances(40 CFR 355):**

None.

**Section 304 CERCLA Hazardous Substances(40 CFR 302):**

None.

**Section 311/312 Hazard Class(40 CFR 370):**

Acute: No

Chronic: No

Fire: No

Pressure: No

Reactive: No

**Section 313 Toxic Chemicals(40 CFR 372):**

None present or none present in regulated quantities.

Note: Chemicals are listed under the 313 Toxic Chemicals section only if they meet or exceed a reporting threshold.



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## 16. OTHER INFORMATION

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