



**Material Safety Data Sheet**  
**Silicone Water Based Repellent (SS WR-100)**

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Manufactured by: SUPREME SILICONES  
H 55, MIDC WALUJ, AURANGABAD, INDIA.  
Generic Description: Potassium methyl Siliconate  
Physical Form: Liquid  
Color: Colorless to slight yellow  
Odor: Characteristic  
NFPA Profile:  
Health 3 Flammability 1 Instability/Reactivity 0  
Note: NFPA = National Fire Protection Association

2. HAZARDOUS COMPONENTS

None present. This is not a hazardous material as defined in the OSHA Hazard Communication Standard.

3. EFFECTS OF OVEREXPOSURE

Acute Effects

Eye: Causes Irritation.

Skin: Causes Irritation.

Inhalation: Causes mild Irritation.

Oral: Causes Irritation to mouth and Stomach.

4. FIRST AID MEASURES

Eye: Immediately flush with plenty of water. Get medical attention immediately after flushing.

Skin: Wash off with soap and water. Get medical attention immediately

Inhalation: Move person to fresh air. Get medical attention immediately

Oral: Dilute it with 1-2 glasses of water of Milk. Get medical attention immediately.

5. FIRE FIGHTING MEASURES

Flash Point: > 100°C (Closed Cup)

Auto ignition 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. Water can be used to cool fire-exposed containers.

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.

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

Silicon dioxide. Formaldehyde.

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 For large spills, provide liking or other appropriate containment to keep material from spreading. If liked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Clean area as appropriate since some silicone materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, 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.

## 7. HANDLING AND STORAGE

Use with adequate ventilation. Avoid eye contact.

Do not store Aluminum, Zinc, Copper, Brass, Fiberglass and Galvanized containers.

Use reasonable care and store away from oxidizing materials.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### **Engineering & Respiratory Controls**

Local Ventilation: None should be needed.

General Ventilation: Recommended.

Personal Protective Equipment for Routine Handling. Eyes: Use proper protection - safety glasses as a minimum. Skin:

Washing at mealtime and end of shift is adequate. Suitable Gloves: special protection needed. Inhalation: respiratory protection should be needed. Suitable Respirator: should be needed.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Liquid

Color: Colorless to slight yellow

Odor: Characteristic

Specific Gravity @ 25°C: 1.25 to 1.32

Viscosity: 10 to 15 cps

Boiling Point: > 100 °C

Flash Point: > 100 °C (Closed Cup)

Vapor Pressure @ 25°C: Not determined.

Vapor Density: Not determined.

## 10. STABILITY AND REACTIVITY

Chemical Stability: Stable.

Hazardous Polymerization: Hazardous polymerization will not occur.

Conditions to Avoid: Contact with Ammonium Salts.

Materials to Avoid: Flammable Hydrogen gas may produce on contact with Aluminum, Zinc, Tin & Lead.

## 11. TOXICOLOGICAL INFORMATION

Special Hazard Information on Components

This product is known to be eye, skin and respiratory irritant

## 12. ECOLOGICAL INFORMATION

There is no risk to surrounding vegetation during application. Can be washed easily by Soap & Water.

## 13. DISPOSAL CONSIDERATIONS

This material is Non-hazardous. Disposal of this material is done by land filling for Small quantities. For large quantities disposal should be comply with applicable disposal permit.

## 14. TRANSPORT INFORMATION

DOT Road/Sea/Air Shipment Information (49 CFR 172.101) Non Flammable Liquid, Water based mixture of Siliconate.

## 15. REGULATORY INFORMATION

Contents of this MSDS 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.

Section 302 Extremely Hazardous Substances: None.

Section 304 CERCLA Hazardous Substances: None.

Section 312 Hazard Class:

1) Acute: No 2) Chronic: No 3) Fire: No 4) Pressure: No 5) Reactive: No 6) Toxic Chemicals: No

None present or none present in regulated quantities.

## 16. OTHER INFORMATION

Prepared by: SUPREME SILICONES

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.