



Material Safety Data Sheet Silicone Based Water Repellent (SS WR 1100)

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Manufactured by: SUPREME SILICONES
H 55, MIDC WALUJ, AURANGABAD, INDIA.
Generic Description: Silicone Base Water Repellent
Physical Form: Liquid
Color : Colorless
Odor : Characteristic
NFPA Profile:
Health 1 Flammability 0 Instability/Reactivity 0
Note: NFPA = National Fire Protection Association

2. HAZARDOUS COMPONENTS

Product hydrolyses under formation of methanol. Methanol is toxic if inhaled, swallowed or comes into contact with the skin , leads to irreversible damage if inhaled, comes into contact with the skin or is swallowed and is highly flammable. None present. This is not a hazardous material as defined in the OSHA Hazard Communication Standard.

3. EFFECTS OF OVEREXPOSURE

Acute Effects

Eye: Direct contact may cause temporary redness and discomfort.

Skin: Slight irritation when comes into contact with the skin.

Inhalation: Inhalation of aerosol spray may damage health.

Oral: Hazardous.

4. FIRST AID MEASURES

After Inhalation: Provide fresh air. In cases of sickness seek medical advice (show label or SDS if possible).

After contact with the skin: Wash with plenty of water or water and soap. Seek medical advice in case of continuous Irritation.

After contact with the eyes: Rinse immediately with plenty of water for 10-15 minutes and seek medical advice.

After swallowing: If conscious, give several small portions of water to drink. Seek medical advice and clearly identify substance.

5. FIRE FIGHTING MEASURES

1 Suitable extinguishing media: water mist, extinguishing powder , alcohol-resistant foam , carbon dioxide , sand .

2 Extinguishing media, which must not be used for safety reasons: water spray, water jet.

3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases: Hazardous decomposition products: alcohols , nitrous gases . Do not allow extinguishing water to enter sewerage, the soil or inshore waters.

4 Special protective equipment for fire fighting: Use respiratory protection independent of recirculated air.

6. ACCIDENTAL RELEASE MEASURES

1 Personal precautions:

Wear personal protection equipment (see section 8). Avoid contact with eyes and skin. Do not inhale gases/vapors/aerosols. If material is released indicate risk of slipping.

2 Environmental precautions: Prevent material from entering sewers or surface waters. Contain any fluid that runs out using suitable material (e.g. earth). Retain contaminated water/extinguishing water.

3 Methods for cleaning up: Take up mechanically and dispose of according to local/state/federal regulations. Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers.

Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner.

7. HANDLING AND STORAGE

1 Handling

Precautions for safe handling:

Ensure adequate ventilation. Spilled substance increases risk of slipping.

Precautions against fire and explosion:

Observe the general rules for fire prevention. Product can separate ethanol and methanol.

2 Storage

Conditions for storage rooms and vessels: Protect against frost.

Advice for storage of incompatible materials: not applicable

Further information for storage: Keep container tightly closed. Protect against sun.

Minimum temperature allowed during storage and transportation: 0 °C

Do not allow this material to freeze.

Maximum temperature allowed during storage and transportation: 40 °C

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ethanol (CAS no. 64-17-5): Refer MSDS of limits.

Methanol (CAS no. 67-56-1): Refer MSDS of limits.

General protection and hygiene measures: Do not inhale gases/vapors/aerosols. Avoid contact with eyes and skin.

Personal protection equipment

Respiratory protection: not required.

Hand protection: Recommendation: PVC gloves.

Eye protection: protective goggles.

Exposure to the environment limited and controlled: Prevent material from entering surface waters, drains or sewers and soil.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state / form.....: liquid

Color.....: milky white

Odor.....: slight

Melting point / melting range.....: -1 °C

Boiling point / boiling range.....: 100 °C

Flash point.....: 70 °C

Ignition temperature: 395 °C

Density.....: 0.95 g/cm³ at 20 °C

Water solubility / miscibility.....: completely miscible

pH-Value.....: approx. 8

Viscosity (dynamic).....: approx. 12 cps at 25 °C

10. STABILITY AND REACTIVITY

General information:

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

1 Conditions to avoid:

none known .

2 Materials to avoid:

Reacts with: acids and alkalis. Reaction causes the formation of: ethanol and methanol.

3 Hazardous decomposition products: ethanol, methanol.

Chemical Stability: Stable.

Hazardous Polymerization: Hazardous polymerization will not occur.

Conditions to Avoid: None.

Materials to Avoid: Oxidizing material can cause a reaction.

11. TOXICOLOGICAL INFORMATION

1 General information:

Product not investigated. According to our present state of knowledge no damaging effect expected when treated in accordance with standard industrial practices and local regulations where applicable.

2 Further toxicological information:

Product(s) of hydrolysis: According to literature methanol (67-56-1) irritates mucous membranes, has skin drying and narcotic effects up to coma or death. Absorption by the skin is possible. Possibility of damage to heart, kidneys, liver and optic nerves (blindness) over a period of time. According to literature, ethanol (67-17-5) irritates the mucous membranes, slightly irritates the skin, degrades the skin, is narcotic and may cause liver damage. For susceptible individuals: May cause sensitization by skin contact.

12. ECOLOGICAL INFORMATION

Classification based on ingredients: Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment

13. DISPOSAL CONSIDERATIONS

1 Material

Recommendation:

Dispose of according to regulations by incineration in a special waste incinerator. Small quantities may be disposed of by incineration in an approved facility. Observe local/state/federal regulations.

2 Uncleaned packaging

Recommendation:

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.

14. TRANSPORT INFORMATION

Land transport ADG Code (road and rail): Valuation...: Not regulated for transport

Transport by sea IMDG-Code Valuation... Not regulated for transport

Air transport ICAO-TI/IATA-DGR Valuation: Not regulated for transport

15. REGULATORY INFORMATION

Warning Label (EC)

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Avoid contact with skin.

This material and its container must be disposed of in a safe way.

Avoid release to the environment. Refer to special instructions / safety data sheets.

Special identification instructions: Contains: 3-(2-aminoethylamino) propyl trimethoxysilane.

May produce an allergic reaction.

Poisons Schedule number: No Poisons Schedule number allocated

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.