

**Material Safety Data Sheet
DIMETHICONE USP (DMPS)**

1. PRODUCT AND COMPANY IDENTIFICATION

RioCare India Pvt. Ltd
Plot No. R – 940, TTC Indl. Area,
MIDC Rabale, Navi Mumbai – 400 701,
District Thane, Maharashtra, India.

24 Hour Emergency Telephone:

0091 9820360036
MSDS No: 303
Revision Date: 1st April 2022.

Generic Description: Silicone
Physical Form: Liquid
Color: Colourless
Odor: Odourless

NFPA Profile:

Health 0 Flammability 1 Instability/Reactivity 0
Note: NFPA = National Fire Protection Association

2. HAZARD IDENTIFICATION

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 use.

Prolonged/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. 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

Composition:

Component Name	CAS Number	% by weight
Polydimethylsiloxane	9006-65-9	85 - 100

4. FIRST AID MEASURES

Eye: Immediately flush with water.
Skin: No first aid needed.
Inhalation: No first aid needed.
Oral: No first aid needed.



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5. FIRE FIGHTING MEASURES

Flash Point: > 321 °C / > 610 °F (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 (CO₂), dry chemical or water spray. 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.

Unusual Fire Hazards: None.

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, Nitrogen oxides, 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 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 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. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

Note: See section 8 for Personal Protective Equipment for Spills.

7. HANDLING AND STORAGE

Use with adequate ventilation. Avoid eye contact. Use reasonable care and store away from oxidizing materials.

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 Routine Handling

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

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

Suitable Gloves: No special protection needed.

Inhalation: No respiratory protection needed.

Suitable Respirator: None needed.



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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: No respiratory protection should be needed.

Precautionary Measures: Avoid eye contact. Use reasonable care.

Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Liquid

Color: Colorless

Odor: Slight Odor

Specific Gravity @ 25°C: 0.970 – 0.995

Viscosity: 1000 cSt

Freezing / Melting Point: Not determined.

Boiling Point: > 35C/95F

Vapor Pressure @ 25°C: Not determined.

Vapor Density: Not determined.

Solubility in Water: Not determined.

PH: Not determined.

Volatile Content: Not determined.

Flash Point: 212°F / 100 °C (Closed Cap)

Auto ignition Temperature: Not determined.

Flammability Limits in Air: Not determined.

Note: The above information is not intended for use in preparing product specifications. Contact RioCare India Private Limited before writing specification.

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.

11. TOXICOLOGICAL INFORMATION

Component Toxicology Information

No known applicable 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.



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Eco-toxicity Classification Criteria

Hazard Parameters (LC50 or EC50) High Medium Low

Acute Aquatic Toxicity (mg/L) $\leq 1 > 1$ and $\leq 100 > 100$

Acute Terrestrial Toxicity $\leq 100 > 100$ 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 eco-toxicity of this product when eco-toxicity 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, it is classified as a nonhazardous waste. State or local laws may impose additional regulatory requirements regarding disposal.

14. TRANSPORT INFORMATION

Not classified as dangerous for transport in accordance with DOT, IMDG and IATA

15. REGULATORY INFORMATION

Regulatory Status:

Dimethicone USP complies with all, monograph requirements and acceptable under Food and Drug Administration Regulation

Manufacturing Environment:

Dimethicone USP is manufactured, tested and packaged under strict quality control guidelines. The site quality system for active pharmaceutical ingredient (APIs) is in compliance with current good manufacturing practices.

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16. OTHER INFORMATION

Prepared by: RioCare India Pvt. Ltd

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. RioCare disclaims liability for any incidental or consequential damages.

