

CYCLO-DIMETHICONE (cyclomethicone dimethicone)

Material Safety Data Sheet (MSDS)

1. PRODUCT IDENTIFICATION

Product Name: cyclo-dimethicone
 INCI Name: cyclomethicone & dimethicone
 Chemistry: octamethylcyclotetrasiloxane & dimethicone
 CAS Number: 9006-65-9, 541-02-6 & 69430-24-6
 EINECS Number: 208-764-9 / 209-136-7
 Origin: n/a

Eye Contact: Eye irritant. May produce oil film causing brief reversible dimness of sight.
 Skin Contact: no harmful effects have been reported.
 Ingestion: no harmful effects have been reported.
 Primary Route of Entry: eyes

2. PHYSICAL & CHEMICAL PROPERTIES

Melting Point: not determined
 Boiling Point: not determined
 Non-Volatiles: 13% - 18%
 Viscosity: 5'000 - 10'0000 cps at 22°C
 Specific Gravity: 0.95-0.97
 Solubility in water: insoluble
 Refractive Index: 1.35 - 1.45
 Appearance & Odor: viscous liquid, clear, no odor

8. FIRST AID MEASURES

Eyes: Irrigate eyes with a heavy stream of water for at least 20 minutes. Seek medical attention if symptoms persist.
 Skin: Wash exposed areas of the body with soap and water.
 Inhalation: Remove from area of exposure. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.
 Ingestion: Drink water. Do not induce vomiting. Consult medical personnel.

3. STABILITY & REACTIVITY

Chemical Stability: stable under normal conditions
 Incompatibility: no hazardous reactions with proper storage and handling
 Thermal Decomposition: not measured
 Hazardous Polymerisation: will not occur

9. FIRE FIGHTING MEASURES

Flash Point: no data available
 Extinguishing Media: water spray, foam, carbon dioxide, or dry powder
 Fire Fighting Procedures: Firefighters should wear full fire-fighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

4. HANDLING & STORAGE

Avoid contact with eyes. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.
 Avoid freezing or excessive heat. Do not handle or store near an open flame, heat or other sources of ignition. Keep the container tightly closed and in a cool, well-ventilated place.

10. TOXICOLOGICAL INFORMATION

General: proper use provided, no adverse health effects have been observed. Eye contact may produce oil film causing harmless, reversible, shortlasting dimness of eyes
 Acute oral LD50: no data available
 Carcinogenicity: no data available

5. ACCIDENTAL RELEASE MEASURES

Isolate spill area immediately. Keep unauthorized personnel away. Ventilate closed spaces before entering. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, basements or confined areas. Surface may become slippery after spillage. Use vacuum or broom sweeping and remove to disposal container. If damp, flush with water.

11. DISPOSAL CONSIDERATIONS

Storage and disposal must be in accordance with applicable local, state & federal disposal regulations. Characterization and compliance with applicable laws are the responsibility solely of the generator.

6. EXPOSURE CONTROLS & PERSONAL PROTECTION

Respiratory Protection: usually not required but in case of formation of vapors or aerosols, use NIOSH/OSHA-approved respiratory equipment.
 Protective Clothing: Gloves recommended to prevent prolonged skin contact. Safety glasses, goggles, or face shield recommended for eye protection.
 Other Protective Measures: Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

12. TRANSPORT INFORMATION

DOT Shipping Name: not regulated
 ADR/ RIC Code: not regulated
 Sea Transport IMDG Code: not regulated
 Air Transport IATA: not regulated

7. HAZARDS IDENTIFICATION

General: no particular hazards are known.
 Inhalation: no harmful effects have been reported.

13. DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.

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