



Safety Data Sheet

Cyclomethicone

2011

Section 1: Chemical Product and Company Identification

Product name: Cyclomethicone
Contact Info: Bramble Berry Inc.
2138 Humboldt Street
Bellingham, WA 98225
info@brambleberry.com
www.brambleberry.com
1-877-627-7883

Emergency Phone Number:
Within USA & Canada: 1.800.424.9300 CCN693143
Outside USA & Canada: +1.703.527.3887 (collect calls accepted)

Section 2: Hazards Identification

Chemical characterization: Mixture
Generic Name: Silicone

Ingredients and Contents

Comments: No hazardous component exists in this material. This product doesn't contain the chemical(s) listed by Japanese regulations and/or European Commission Directive 1999/45/EC (Article 3[3]).

Section 3: Composition/Information on Ingredients

Overall Hazard Classification

Hazardous Properties: Not hazardous.

Environmental Effects: Not applicable.

Physical and Chemical Risks: Not applicable.

Signs and Symptoms: No significant adverse effects from a single exposure expected from normal use.

Hazard Classification: Not applicable.

Section 4: First Aid Measures

In Case of Inhalation: No first aid should be needed.

In Case of Skin Contact: No first aid should be needed.

In Case of Eye Contact: Immediately flush with water.

In Case of Ingestion: Get medical attention.

Comments: Treat symptomatically.



Note to physicians: Treat symptomatically. For further information, the medical practitioner should contact vendor

Section 5: Fire-Fighting Measures

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.

Unsuitable Extinguishing Media: None established.

Specific Hazards during Fire: None

Specific Fire Fighting: Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

Protection for Fire-fighter: Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals.

Section 6: Accidental Release Measures

Personal Precautions: Avoid eye contact. Avoid breathing vapor. Keep container closed. Do not take internally.

Environmental Precautions: Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers.

Methods for Cleaning or Taking up: Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protective equipment recommendations described in this MSDS. 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 steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. 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 laws and regulations are applicable.

Section 7: Handling and Storage

Handling

Technical Measures: Use with adequate ventilation.

Precautions: Avoid eye contact.

Advice on safe handling: Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.

Storage

Advice on storage: Static electricity will accumulate and may ignite vapors. Prevent a possible fire hazard by bonding and grounding or inert gas purge. Keep container closed and away from heat, sparks, and flame.

Suitable packaging materials: None established.

Section 8: Exposure Controls/Personal Protection

Engineering Controls



Local Ventilation: Recommended.

General Ventilation: Recommended.

Concentration Control Notification #26 from Ministry of Labor: None known.

Industrial Hygiene Standards: None known.

Personal Protective Equipment

Personal Protective Equipment for Routine Handling

Respiratory protection: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. IH personnel can assist in judging the adequacy of existing engineering controls.

Suitable Respirator: Organic Vapor Type.

Hand protection: No special protection needed.

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

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

Hygiene Measures: Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.

Personal Protective Equipment for Spills

Respiratory protection: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. IH personnel can assist in judging the adequacy of existing engineering controls.

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

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

Precautionary Measures: Avoid eye contact. Avoid breathing vapor. Keep container closed. Do not take internally. Use reasonable care.

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) or contact the customer service group.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Form: Liquid

Odor: Odorless

Color: Colorless

pH: Not determined

Boiling Point: Not determined

Melting Point: Not determined

Decomposition Temperature: Not determined

Flashpoint (CCCFP): 170.6°F (77°C)

Auto ignition temperature: Not determined

Explosive Properties: None Expected
Vapor Pressure (mmHg@20 C): Not determined
Vapor Density: Not determined
Density: 0.96 g/cm³
Solubility: Not determined
Partition coefficient (n-octanol/water): Not determined
Viscosity: 6 cSt

The above information is not intended for use in preparing product specifications.

Section 10: Stability and Reactivity

Reactivity Hazardous polymerization will not occur
Chemical stability Stable
Possibility of hazardous reactions None known
Conditions to avoid None known
Incompatible materials Strong oxidizing agents
Hazardous decomposition products Silicone dioxide. Carbon oxides and traces of incompletely burned carbon compounds formaldehyde.

Section 11: Toxicological Information

11.1 Toxicological Effects

Acute toxicity - Oral - (Rat) mg/kg (LD50: >20g/kg)

Local Effects

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

Serious eye damage / irritation: Direct contact may cause temporary redness and discomfort.

Acute Effects

Oral: Low ingestion hazard in normal use.

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

Sensitizers: None known.

Chronic Effects

Skin: No known applicable information.

Oral: Repeated ingestion or swallowing large amounts may injure internally.

Inhalation: No known applicable information.

Carcinogens: None known.

Mutagens: None known.

Teratogens: None known.

Reproductive Toxins: None known.

Other information: No known applicable information.'

Section 12: Ecological Information

Environmental Fate and Distribution: Low molecular weight volatile siloxanes have very low water solubility and evaporate to air. Low molecular weight volatile siloxanes in air are degraded by reaction with hydroxyl radicals, which is the dominant degradation process for most chemicals in the atmosphere. Low molecular weight volatile siloxanes in soil are removed by several simultaneously occurring processes including volatilization, hydrolysis, and clay-catalyzed degradation.

Environmental Effects: No adverse effects on aquatic organisms.

Bioaccumulation: Low molecular weight volatile siloxanes bioconcentrate in fish exposed under controlled laboratory conditions that are not representative of conditions found in the environment.

Fate and Effects in Waste Water Treatment Plants: No adverse effects on bacteria are predicted. The siloxanes in this product do not contribute to the BOD. Low molecular weight volatile siloxanes are efficiently removed (>90%) during wastewater treatment with approximately equal amounts going to the atmosphere and the sludge. Low molecular weight volatile siloxanes in treated wastewater effluent will be bound to particulate matter because of very low water solubility.

Additional Environmental Information

Degradation: Additional environmental information on the silicone component is available on request.

Section 13: Disposal Conditions

Waste Disposal: This product falls under Industrial Waste (Waste Oil) based on Wastes Disposal and Public Cleansing Law. Dispose of in accordance with this law and local regulations

Section 14: Transport Information

Regulator	Class	Pack Group	Sub Risk	UN-nr.
U.S. DOT (Non-Bulk) Chemicals NOI	Not Regulated - Not Dangerous Goods			
IATA (Air Cargo) Environmentally Hazardous Substance, Liquid, n.o.s.	Not Regulated - Not Dangerous Goods			
IMDG (Sea) Environmentally Hazardous Substance, Liquid, n.o.s.	Not Regulated - Not Dangerous Goods			

Section 15: Regulatory Information

Law Concerning Examination and Regulation of Manufacture, etc. of Chemical Substances: Not applicable.

Industrial Safety and Health Law Notification Substance: Not applicable.

Indication Substance: Not applicable.

Ordinance on Prevention of Organic Solvent Poisoning: Not applicable.

Ordinance on Prevention of Hazards due to Specified Chemical Substances: Not applicable.

Ordinance on Prevention of Lead Poisoning: Not applicable

Ordinance on Prevention of Teraalkyl Lead Poisoning: Not applicable

Hazardous Material: Not applicable.

Banned Substance: Not applicable



High Pressure Gas Safe Law: Not applicable.

Fire Service Law : 4TH GROUP, 3RD CLASS PETROLEUMS, WATER-INSOLUBLE LIQUIDS (2,000L) Poisonous and Deleterious Substance Control Law: Not applicable.

Pollutant Release and Transfer Register: Not applicable.

Marine Pollutant Prevention Law: Not Classified as a Marine Pollutant

Chemical Inventories

AICS: All ingredients listed or exempt.

DSL: All chemical substances in this material are included on or exempted from the DSL.

IECSC: All ingredients listed or exempt.

EINECS: All ingredients listed or exempt.

MITI: All components are listed on ENCS or its exempt rule.

KECL: All ingredients listed, exempt or notified.

PICCS: All ingredients listed or exempt.

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

Section 16: Other Information

Bibliography: Statue book of chemicals, Internal Technical Data and others

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. This Product has been developed and manufactured for general industrial use. For medical use, or other uses where safety considerations may be required, you must in advance test and review the safety of your intended application. Moreover, this Product is not for human implant nor human injection, nor use for applications which may present risk of accumulating inside human bodies.

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