



LC1684 Cyclomethicone (and) Dimethicone

Section 1: Company and Product Identification

Product Name: LC1684 Cyclomethicone (and) Dimethicone

INCI Name: Cyclomethicone (and) Dimethicone

Material Uses: Active ingredient in cosmetic and personal care applications.

Restrictions on Use: Repackaged for cosmetic use only

Company: Lotioncrafter LLC
48 Hope Ln
Eastsound, WA 98245
PH: 1-360-376-8008

Emergency Response: In USA, Canada and North America, 24 hour / 7 day emergency information for our product is provided by the CHEMTREC Emergency Call Center based in the USA.

USA, Canada, Puerto Rico, Virgin Islands CALL +1 800-424-9300
In case of difficulties or for ships at sea CALL +1 703-527-3887
In Europe, Middle East, Africa, Asia Pacific, South America CALL +1 703-527-3887

Section 2: Hazards Identification

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Hazard Pictograms:



Signal Word: Warning

Hazard Classification: Flammable Liquids
Toxic to Reproduction (Fertility)

Hazard Category: Category 3
Category 2

Hazard Statements: H226: Flammable liquid and vapour
H361: Suspected of damaging fertility or the unborn child

Precautionary Statements: For Precautionary Statements: see Section 16.

Other Hazards: None

Section 3: Composition / Information on Ingredients

Name	Hazard Category	CAS#	Weight %
Octamethylcyclotetrasiloxane	Category 3 Category 2	556-67-2	30 - 60%

Additional Information: There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.



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Section 4: First Aid Measures

General Info: Product may give off vapors in appreciable quantities affecting the inhalation route. Ensure proper ventilation.

Notable Exposure symptoms: No known potential acute health effects or critical hazards known. Over-Exposure signs/symptoms may include reduced fetal weight, increase in fetal deaths and skeletal malformations.

If ingested: Rinse mouth out with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention.

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If unconscious, place in a recovery position and get medical attention immediately.

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Section 5: Fire Fighting Measures

General Info: Flash point: Closed Cup: 56°C (132.8 °F). Flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to a sewer may create fire or explosion hazard.

Extinguishing Method /

Equipment: Carbon dioxide (CO₂), dry chemical, foam, halon, water spray (fog). Firefighters should wear self-contained breathing apparatus (SCBA) and full protective equipment. Do not use direct or heavy water stream to fight fire as it may splash burning liquid.

Hazardous Decomposition Info: Carbon dioxide, carbon monoxide, metal oxide/oxides and formaldehyde.



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Section 6: Accidental Release Measures

Personal precautions, protective

equipment and procedures: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate personal protective equipment.

Environmental Precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution.

Containment Equipment and

Procedures: Stop leak without risk. Move container from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Large spills: Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in a container for disposal according to local regulations.

Cleanup Procedures: Pick up with absorbent material and collect for disposal. Refer to Section 8 for protective equipment and Section 13 for disposal considerations.

Section 7: Handling and Storage

Safe Handling Precautions: Wear appropriate personal protective equipment. Obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Store away from heat, sparks, open flame or any other ignition source. Use only non-sparking tools. Avoid electrostatic discharges.

Recommendations for Storage: Store in accordance with local regulations. Store in a dry, cool and well-ventilated area, away from incompatible materials.

Specific End Use(s): Active ingredient in cosmetic and personal care applications.



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Section 8: Exposure Control / Personal Protection

Control Parameters: No additional information available.

General / Engineering

Controls: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Eye/face protection: Chemical goggles with side splash protection recommended. An eye wash facility should be available in the work area.

Hand Protection: Chemical resistant, impervious gloves.

Body Protection: Antistatic protective clothing.

Respiratory Protection: Use a properly fitted, air-purifying or supplied air respirator. Selection must be based on known or anticipated exposure levels.

Thermal Hazards: None required under normal conditions of use

Environmental Exposure

Controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Section 9: Physical and Chemical Properties

Physical State: Liquid

Appearance: Clear

Color: Colorless

Odor: Characteristic

Odor Threshold: Not available

pH: Not available

Melting Point: Not available

Freezing Point: Not available

Boiling Point: 182 °C (359.6 °F)

Flash Point (CCC): 56 °C (132.8 °F)

Auto-ignition Temperature: (Dodecamethylcyclohexasiloxane) - Lowest known value 368 - 371 °C

Decomposition Temperature: >150 °C (>302 °F)

Evaporation Rate: Not available

Vapor Pressure: Highest known value: 0.1 kPa (1mm Hg) (at 20 °C)
(octamethylcyclotetrasiloxane)

Weighted average: 0.06 kPa (0.45mm Hg) (at 20 °C)

Explosive Limits: Greatest known range: Lower: 0.61% Upper: 7.4% (octamethylcyclotetrasiloxane)

Vapor Density: Highest known value: >1 (Air = 1) (decamethylcyclopentasiloxane)

Specific Gravity: 0.965

Water Solubility: 0 g/l. Insoluble in cold and hot water

Viscosity (cP): Kinematic (room temperature): 70 cm²/s (7000 cSt)

Explosion Properties: None

Oxidizing Properties: None

Partition coefficient: Not available

Other information: Refractive Index: 1.398



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Section 10: Stability and Reactivity

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical Stability: The product is stable under normal use conditions.

Possibility of Hazardous

Reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to Avoid: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

Incompatible Materials: Slightly reactive or incompatible with oxidizing materials.

Hazardous Decomposition

Products: When exposed to high temperatures may produce hazardous decomposition products: Formaldehyde.

Section 11: Toxicological Information

Acute Toxicity: Octamethylcyclotetrasiloxane - Rat: LC50 Inhalation Vapor: 36 g/m³
LD50 Dermal: 1770 mg/kg
LD50 Oral: 1540 mg/kg

Irritation: *in vitro* dermal/eye testing of similar materials show product to be mildly-irritating.

Corrosivity: This is not a corrosive product.

Sensitization: Not available.

Repeated Dose Toxicity: Not available.

Carcinogenicity: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Mutagenicity: Not available.

Toxicity for reproduction: No data available.

Section 12: Ecological Information

Toxicity: Octamethylcyclotetrasiloxane: Chronic NOEC 1.7 to 15µg/l Fresh water (Daphnia) - Daphnia magna. Exposure: 21 days
Octamethylcyclotetrasiloxane: Chronic NOEC 4.4 µg/l Fresh water (Fish) - Oncorhynchus mykiss - Egg. Exposure: 93 days

Aquatic Toxicity: No data available

Persistence and Degradability: No data available

Bioaccumulative Potential: Octamethylcyclotetrasiloxane - LogPow: 6.488 - BCF: None - Potential: High

Mobility in Soil: No data available.

Results of PBT and vPvB

Assessment: No data available.

Other Adverse Effects: None known



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Section 13: Disposal Information

Product disposal: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Container disposal: Dispose of container in accordance with licensed collector's sorting instructions.

Other considerations: No further information.

Section 14: Transport Information

General Information: This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulation.

Non-bulk quantities are not regulated.

	US DOT	EU Land Transport (ADR/RID/AND)	Sea Transport (IMDG)	Air Transport (ICAO/IATA)
UN Number:	NA1993	Not regulated	UN1993	UN1993
UN Proper Shipping Name:	Combustible liquid, n.o.s. (decamethylcyclopentasiloxane, octamethylcyclopentasiloxane)	Not regulated	Flammable liquid, n.o.s. (octamethylcyclopentasiloxane)	Flammable liquid, n.o.s. (octamethylcyclopentasiloxane)
Transport Hazard Class(es):	Combustible liquid. 3	Not applicable	3	3
Packing Group:	III	Not applicable	III	III
Environmental Hazards:	No	Not applicable	No	No
Special Precautions for User:	None	None	None	None
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	Not applicable	Not applicable	Not applicable	Not applicable

Additional Information: DOT: Non-bulk packages (less than or equal to 119 gal) of combustible liquids are not regulated as hazardous materials.

IMDG: Viscous substance exemption: This class 3 material can be considered non hazardous in packagings up to 30 L.

IATA: Passenger Aircraft: Quantity limitation: 10 L.



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Section 15: Regulatory Information

U.S. Federal Regulations: TSCA 8(d) H and S data reporting: decamethylcyclopentasiloxane; dodecamethylcyclohexasiloxane.

TSCA 12(b) one-time export: octamethylcyclotetrasiloxane

United States Inventory (TSCA 8b): All components are listed or exempted.

SARA 302/304: No products were found.

SARA 311/312: Classification: Fire hazard. Delayed (chronic) health hazard.

State Regulations

Massachusetts: None of the components are listed.

New York: None of the components are listed.

New Jersey: None of the components are listed.

Pennsylvania: None of the components are listed.

California Prop. 65: The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986. This product is not known to the State of California to cause cancer, birth defects or other reproductive harm.

International Lists

Australia (AICS): All components listed or exempted.

Canada: All components listed or exempted.

China (IECSC): All components listed or exempted.

Europe: All components listed or exempted.

Japan (ENCS): All components listed or exempted.

New Zealand (NZIoC): All components listed or exempted.

Philippines (PICCS): All components listed or exempted.

Korea (KECI): All components listed or exempted.

Taiwan (TSCI): All components listed or exempted.

United States (TSCA 8b): All components listed or exempted.

**LC1684 Cyclomethicone (and) Dimethicone****Section 16: Other Information**

Indication of Changes: Version 2 created June 11th, 2018

HMIS Rating: 1-2-0

NFPA Rating: 1-2-0

List of Relevant R-phrases**(number and full text): Precautionary Statements****Prevention:**

P201: Obtain special instructions before use

P202: Do not handle until all safety precautions have been read and understood

P281: Use personal protective equipment as required

P280: Wear protective gloves/protective clothing/eye protection/face protection

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking

P241: Use explosion-proof electrical/ventilating/lighting and all material-handling equipment

P242: Use only non-sparking tools

P243: Take precautionary measures against static discharge

P233: Keep container tightly closed

Response:

P308+313: IF exposed or concerned: Get medical advice/attention

P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.

Rinse skin with water/shower

Storage:

P405: Store locked up

P403: Store in a well ventilated place

P235: Keep cool

Disposal:

P501: Dispose of contents and container in accordance with all local, regional, national and international regulations

Legal Disclaimer: Since the user's working conditions are not known to us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

Lotioncrafter provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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