



Safety Data Sheet

LC995 Cyclomethicone

Complies with 29 CFR 1910.1200

Section 1: Company and Product Identification

Product Name: LC995 Cyclomethicone

INCI Name: Cyclopentasiloxane *or* Cyclomethicone

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 - Category 4
TOXIC TO REPRODUCTION - Category 2

Hazard Statements: H227 - Combustible liquid.
H361 - Suspected of damaging fertility or the unborn child.

Precautionary Statements: Prevention:
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P280 - Wear protective gloves, protective clothing and eye or face protection.
P210 - Keep away from flames and hot surfaces. No smoking.
Response:
P308 + P313 - IF exposed or concerned: Get medical advice or attention.
Storage:
P405 - Store locked up.
P403 + P235 - Store in a well-ventilated place. Keep cool.
Disposal:
P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Other Hazards: None known.

Target Organs: Contains material which may cause damage to the following organs: lungs.



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Section 3: Composition / Information on Ingredients

Substance/mixture: Substance
Chemical name: decamethylcyclopentasiloxane
Other means of identification: Cyclopentasiloxane, 2,2,4,4,6,6,8,8, 10, 10-decamethyl-;
Cyclopentasiloxane, decamethyl-

Ingredient Name	%	CAS Number
decamethylcyclopentasiloxane	95 - 100	541-02-6
octamethylcyclotetrasiloxane	0.1 - < 1	556-67-2

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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.

Occupational exposure limits, if available, are listed in Section 8.

Section 4: First Aid Measures

Potential acute health effects: No known significant effects or critical hazards (eye contact, inhalation, skin contact, ingestion).

Over-exposure signs/symptoms: Eye contact: No specific data.
Inhalation; Skin contact; Ingestion: Adverse symptoms may include the following:
Reduced fetal weight, increase in fetal deaths, skeletal malformations.

If ingested: Remove dentures if any. Wash out mouth with water. Stop if the exposed person feels sick as vomiting may be dangerous. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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.

Skin contact: Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.



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Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific Treatment: No specific treatment.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing first aid to give mouth-to-mouth resuscitation.

Section 5: Fire Fighting Measures

General Info: Flash Point: Closed Cup 76°C (168.8°F); Open Cup: 82.7°C (180.9°F).
Combustible liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to 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: May include: carbon dioxide, carbon monoxide, metal oxide/oxides.

Special protections for fire-

fighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Section 6: Accidental Release Measures

Personal precautions, protective

equipment and procedures: Non-emergency personnel: 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. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Wear appropriate personal protective equipment.

Emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information for "non-emergency personnel".

Environmental Precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways,



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Containment Equipment and

Cleanup Procedures: Small spill: Stop leak if without risk. Move containers 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 inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an 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 container for disposal according to local regulations (see Section 13). Dispose of via a license waste disposal contractor. Contaminated absorbent material may pose the same hazard as spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7: Handling and Storage

Safe Handling Precautions: Wear appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes, skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous. Do not reuse container.

Recommendations for Storage: Store in accordance with local regulations. Store in a segregated and approved area. Store in a dry cool and well-ventilated area, away from incompatible materials (see Section 10). Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

General occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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



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Section 8: Exposure Control / Personal Protection

Control Parameters: Exposure limits:

Decamethylcyclopentasiloxane: AIHA WEEL (United States, 7/2018). TWA: 10 ppm 8 hours

Octamethylcyclotetrasiloxane: AIHA WEEL (United States, 7/2018). TWA: 10 ppm 8 hours.

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. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Hygiene Measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields for splash protection.

Hand Protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In case of mixtures, consisting of several substances, the protection time of the glove cannot be accurately estimated.

Body Protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a licensed specialist before handling this product.

Respiratory Protection: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Other: Observe good chemical hygiene practices, washing exposed areas of the skin several times daily. Launder contaminated clothing before re-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. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.



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Section 9: Physical and Chemical Properties

Physical State: Liquid

Appearance: Clear

Color: Colorless

Odor: Odorless

Odor Threshold: Not available

pH: Not available

Melting Point/Freezing Point: -38°C (-36.4°F)

Boiling Point: 211°C (411.8°F)

Flash Point (CC/OC): 76°C (168.8°F) / 82.7°C (180.9°F)

Auto-ignition Temperature: 372°C (791.6°F)

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

Evaporation Rate: < 1

Vapor Pressure: 0.1 kPa (1 mm Hg) (at 20°C)

Explosive Limits: Greatest known range: lower: 0.52%; Upper: 7% (decamethylcyclopentasiloxane)

Vapor Density: > 1 (Air = 1)

Density: 0.956 g/cm³ [25°C (77°)]

Specific Gravity: Not available

Water Solubility: Insoluble in the following materials: cold water, hot water (0 g/l).

Viscosity (cP): Dynamic (room temperature): 3.5 mPas (3.5 cP)

Kinematic (room temperature): 0.037 cm²/s (3.7 cSt)

Explosion Properties: Not explosive

Oxidizing Properties: Not classified as oxidizing

Partition coefficient: Not available

Refractive Index: 1.396

Other information: None available

Section 10: Stability and Reactivity

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

Chemical Stability: This product is stable.

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,

Incompatible Materials: Reactive/slightly reactive or incompatible with oxidizing materials.

Hazardous Decomposition

Products: Under normal conditions of storage and use, hazardous decomposition products could not be produced.



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Section 11: Toxicological Information

Acute Toxicity

Product/Ingredient Name	Test	Species	Result	Dose
decamethylcyclopentasiloxane	OECD 403 Acute Inhalation Toxicity	Rat- Male, Female	LC50 Inhalation dusts and mists	8.67 mg/l (4 hours) Aerosol
	OECD 402 Acute Dermal Toxicity	Rabbit - Male, Female	LD50 Dermal	> 2000 mg/kg
	OECD 401 Acute Oral Toxicity	Rat	LD50 Oral	> 5000 mg/kg
Octamethylcyclotetrasiloxane	Acute oral toxicity (LD50)	Rat	LD50 Oral	> 24134 mg/kg
	-	Rat	LC50 Inhalation Vapor	36 g/m3 (4 hours)
	-	Rat	LD50 Dermal	1770 mg/kg
	-	Rat	LD50 Oral	1540 mg/kg

Potential Chronic Health Effects

Product/Ingredient Name	Test	Species	Result	Dose
decamethylcyclopentasiloxane	-	Rat - Male	Chronic NOAEL Oral	100 mg/kg
	-	Rat - Male, Female	Chronic NOAEL Dermal	1600 mg/kg
	-	Rat - Male, Female	Chronic NOAEL Inhalation Vapor	0.081 mg/l

Irritation/Corrosion

Product/Ingredient Name	Test	Species	Result
decamethylcyclopentasiloxane	-	Rabbit	Eyes - Mild irritant -
	-	Rabbit	Skin - Mild irritant -
Octamethylcyclotetrasiloxane	-	Rabbit	Eyes - Mild irritant -
	-	Rabbit	Skin - Mild irritant -



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Sensitization

Product/Ingredient Name	Test	Species	Result
decamethylcyclopentasiloxane	-	Mouse	Not sensitizing -

Mutagenicity

Product/Ingredient Name	Test	Experiment	Result
decamethylcyclopentasiloxane	-	Experiment - In vitro Subject: Bacteria	Negative

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

Reproductive Toxicity: Not available

Teratogenicity

Product/Ingredient Name	Test	Species	Result	Dose
octamethylcyclopentasiloxane	-	Rat - Male	Negative - Route of exposure unreported	700 ppm
	-	Rabbit	Negative - Route of exposure unreported	500 ppm

STOT- SE: Not available

STOT-RE: Not available

Aspiration Hazard: Not available



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Section 12: Ecological Information

Toxicity

Product/Ingredient Name	Result	Species	Exposure
octamethylcyclotetrasiloxane	Chronic NOEC 1.7 to 15 µg/l	Daphnia - Daphnia magna	21 days
	Chronic NOEC 4.4 µg/l Fresh water	Fish - Oncorhynchus mykiss - Egg	93 days

Persistence and Degradability

Product/Ingredient Name	Test	Exposure
decamethylcyclotetrasiloxane	OECD 310 Ready Biodegradability - CO ₂ I Sealed Vessels (Headspace Test)	0.14% - Not readily - 28 days

Product/Ingredient Name	Aquatic half-life	Photolysis	Biodegradability
decamethylcyclotetrasiloxane	Fresh water 0.39 days, pH 4, 25°C (OECD 111)	50%; < 28 day(s)	Not readily

Bioaccumulative Potential

Product/Ingredient Name	LogPow	BCF	Potential
decamethylcyclotetrasiloxane	8.023	7060	high
octamethylcyclotetrasiloxane	6.488	-	high

Section 13: Disposal Information

The generation of waste should be avoided or minimized whenever possible. Disposal of this product, solutions and any by-products at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should not be recycled. Incineration or landfill should only be considered when recycling is not feasible. The material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld, or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.



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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 regulations. 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	Not regulated	Not regulated
UN Proper Shipping Name:	Combustible liquid, n.o.s.	Not regulated	Not regulated	Not regulated
Transport Hazard Class(es):	Combustible liquid #3	Not applicable	Not applicable	Not applicable
Packing Group:	III	Not applicable	Not applicable	Not applicable
Environmental Hazards:	Not applicable	Not applicable	Not applicable	Not applicable
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: UN Proper Shipping Name (US DOT) full text: Combustible liquid, n.o.s. (Decamethylcyclopentasiloxane, Dodecamethyl cyclohexasiloxane).

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

Limited quantity: Yes

Packaging Instruction

Exceptions: 150. Non-bulk: 203. Bulk 241.

Quantity Limitation: Passenger aircraft/rail: 60 L. Cargo Aircraft: 220L

Special Provisions: IB3, T4, TP1

Special Precautions: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.



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Section 15: Regulatory Information

US Federal Regulations: TSCA 8(d) H and S data reporting: Dodecamethylcyclohexasiloxane
United States inventory (TSCA 8B): All components are listed or exempted.

SARA 302/304: No products were found.

SARA 311/312: Classification:
FLAMMABLE LIQUIDS - Category 4
TOXIC TO REPRODUCTION - Category 2

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: This product does not contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

International Lists (Inventories)

Australia (AICS): All components are listed or exempted.

Canada: All components are listed or exempted.

China (IECSC): All components are listed or exempted.

China (IECIC):

Europe: All components are listed or exempted.

Japan: Japan (ENCS): All components are listed or exempted.
Japan (ISHL): Not determined.

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

Philippines (PICCS): All components are listed or exempted.

Korea (KECI): All components are listed or exempted.

Taiwan (TSCI): All components are listed or exempted.

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

REACH (pre-) registrations DO NOT cover the following:

1. The manufacturing of these products by the manufacturer outside the EU unless covered by the Only Representative provisions, and
2. The importation of these products into Europe by other companies. Re-importation by other companies is not covered by (pre-) registrations. Customers and other third parties importing and/or re-importing this product into Europe will need either:
 - Their own (pre-) registration for substances contained in the imported product, or constituent monomers (imported above 1 tonne per year and >2% by weight) in the case of imported polymers, or
 - In the case of importation only, to make use of the "Only Representative" provisions, if available.



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Section 16: Other Information

Indication of Changes: Version 2.1 created March 31, 2022

HMIS Rating: Health: 0
Flammability: 2;
Physical Hazards: 0

NPFA Rating: Health: 0
Flammability: 2;
Instability/Reactivity: 0
Special:

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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