

Lotioncrafter®

532 Point Lawrence Road
Olga, WA 98279
Tel: 360-376-8008

MATERIAL SAFETY DATA SHEET

SECTION I: PRODUCT INFORMATION

Product Name: Lotioncrafter LC995

Chemical Name: Dimethylcyclopentasiloxane

Hazard Rating:

Health	1	0- Least
Fire:	2	1-Slight
Reactivity:	0	2-Moderate
		3-High
		4-Extreme

Date Revised: May 2003, PN

SECTION II: INGREDIENTS

SINGLE OR MIXTURE: Single

HAZARDOUS COMPONENT(S)/(CAS No.):

Decamethylcyclopentasiloxane/ (541-02-6)[Combustible Liquid]: ca.99%

Octamethylcyclotetrasiloxane (impurity)/(556-67-2)[Flammable Liquid]: ca.1%

(See section 8 of this MSDS for Exposure Guidelines)
(See section 11 of this MSDS for Subacute toxicity and Reproductive effect.)

SECTION III: HAZARDOUS IDENTIFICATION

HAZARDS CLASSIFICATION: Flammable Liquids (based on IMO)
Combustible Liquids (based on DOT)

FIRE AND EXPLOSION: Combustible

POTENTIAL HEALTH EFFECT:

Inhalation:	No significant irritation expected from a single exposure. Overexposure may cause reproductive effect.
Skin Contact:	May cause slight skin irritation. Causes drying of skin.
Eye contact:	May cause slight eye irritation.
Ingestion:	Low-harmful

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INHALATION:	Remove to fresh air.
SKIN CONTACT:	Remove product from skin with dry cloth or towel, and wash exposed area with detergent.
EYE CONTACT:	Immediately flush with water for at least 15 minutes.
INGESTION:	Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Call a physician immediately.

SECTION V: FIRE FIGHTING MEASURES

Flash Point (method used):	77°C (Closed cup)
Flammable Limits:	LOWER: Not measured UPPER: Not measured
Extinguishing Media:	Foam, dry chemical or carbon dioxide
Special Fire Fighting Procedure:	None.
Unusual Fire and Explosion Hazard:	None.

SECTION VI: ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

- Shut off all ignition sources.
- Contain the spill or leak.
- Scrape up with rag and place in a container.

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PRECAUTION TO BE TAKEN IN HANDLING AND STORING:

Keep container closed when not in use.
Store in a cool place.
Keep away from heat, sparks and flame.
Do not lay the container on its side.
Use with adequate ventilation.
Avoid prolonged breathing vapor.
Avoid contact with eyes and prolonged or repeated skin contact.
Keep out of reach of children.

* * * * Information about the empty container * * * *

Do not re-use this container.
This container will be very hazardous when emptied.
Residues will be explosive or flammable.
Keep away from heat, sparks, and flame.
Do not puncture or cut this container, and do not weld on or near this container.

SECTION VIII EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES:

ACGIH TLV-TWA: Not established,
OSHA PEL: Not established.
[Octamethylcyclotetrasiloxane; impurity]

RESPIRATORY PROTECTION (specify type):

Use respiratory protection unless adequate local exhaust ventilation is provided. (Organic vapor type)

VENTILATION:

LOCAL EXHAUST: Recommended.
MECHANICAL (general): Adequate ventilation system.
SPECIAL: Unknown.
OTHER: Unknown.

PROTECTIVE GLOVES: Plastic film or rubber gloves.

EYE PROTECTION: Safety glasses.

OTHER PROTECTIVE CLOTHING: Eyewash equipment.

WORK/HYGIENIC PRACTICES:

Keep away from heat, sparks and flame.
Avoid prolonged breathing vapor.
Avoid contact with eyes and prolonged or repeated contact with skin.
Wash hands and gargle after handling.

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SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 210°
VAPOR PRESSURE: 1.0MMHg (20°c)
APPEARANCE (color): Colorless, transparent
APPEARANCE (form): Fluid
ODOR: Essentially Odorless
VISCOSITY: 3.5 cps
FLASH POINT: 77°C
SPECIFIC GRAVITY: 0.954 (25°C)
SOLUBILITY IN WATER: Not soluble

STABILITY: Stable
CONDITION TO AVOID: None
INCOMPATIBILITY (material to avoid):
Strong oxidizing agents
HAZARDOUS DECOMPOSITION OR BY-PRODUCT:
Thermal breakdown of this product during fire or very high heat condition may evolve the following hazardous decomposition product: Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITION TO AVOID: None.

SECTION XI: TOXICOLOGICAL INFORMATION

SKIN IRRITATION:
Patch test (24Hr/Open): Almost Negative (1%)
EYE IRRITATION:
EYE-RABBIT: MILD
SENSITIZATION: No significant effects were observed.
ACUTE TOXICITY (LC50): LC50 (oral/Rat): >5g/kg
ACUTE TOXICITY (LC50): LC50 (Oral/Rat): >5g/m3/Hr
(estimated by similar dimethylcyclosiloxane)

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SECTION XI:	TOXICOLOGICAL INFORMATION	CONT.
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SUBACUTE TOXICITY: Repeated inhalation or oral exposure of mice and rats to octamethylcyclotetrasiloxane and decamethylcyclopentasiloxane produced an increase in liver size. No gross histopathological or significant clinical chemistry effects were observed. An increase in the number of normal cells (hyperplasia) followed by increase in cell size (hypertrophy) were determined to be the underlying causes of liver enlargement. The biochemical mechanisms in humans are insensitive.

CHRONIC TOXICITY: No information is available.

CARCINOGENICITY: NTP: not listed, IARC: not listed, OSHA REGULATED: Not listed

MUTAGENICITY: Negative (Bacteria)

REPRODUCTIVE EFFECT: Octamethylcyclotetrasiloxane administered to rats by whole body inhalation at concentrations of 500 and 700 ppm for 70 days prior to mating, through mating, gestation and lactation resulted in decrease in live litter size. Additionally, increases in the incidence of deliveries of offspring extending over an unusually long time period (dystocia) were observed at these concentrations. Statistically significant alterations in these parameters were not observed in the lower concentrations evaluated 300 and 70 ppm). In a previous range-finding study, rats exposed in the lower concentrations of 700 ppm had decreases in the number of implantation sites and live litter size. The significance of these findings to humans is not known.

TERATOGENIC EFFECT: No teratogenic effects in the rats and rabbits.
[Octamethylcyclotetrasiloxane]

OTHER INFORMATION: None.

BIODEGRATION:	No evidence of biodegradation.
BIOACCUMULATION:	May cause bioaccumulation.
AQUATIC TOXICOLOGY:	No information is available.
OTHER INFORMATION:	Vapor undergoes indirectly photolysis in the troposphere.

SECTION XIII:	DISPOSAL CONSIDERATIONS
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Can be burned in chemical incinerator equipped with afterburner and scrubber. Do not dispose of the emptied container unless the contents have been completely removed and container has been flushed with a clean neutral solvent and then dried up. Do not dispose the emptied container unlawfully. Observe all federal, state, and local laws.

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<IMO INFORMATION>

ID No.: None.
CLASSIFICATION AND CLASS: None.
PACKAGING GROUP: None.
PROPER SHIPPING NAME: None.
TECHNICAL SHIPPING NAME: None.
MARINE POLLUTANT: None.

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<DOT INFORMATION>

ID No. (49CFR 172.101): UN 1993
HAZARD CLASS (49CFR 172.101): Combustible Liquid
PACKAGING GROUP (49CFR 172.101): III
PROPER SHIPPING NAME (49CFR 172.101): Combustible Liquids, N.O.S.
TECHNICAL SHIPPING NAME: Organosiloxane
DOT REPORATBLE QUANTITY (49CFR 172.101, APP):
HAZARD SUBSTANCE (S) NAME / (CAS No.), CONTENTS AND RQ
Not applicable

SECTION XV: REGULATORY INFORMATION

TOXIC SUBSTANCE CONTROL ACT (TSCA) STATUS:
Listed on the TSCA Inventory.

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EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES (EINECS)
STATUS:
Listed on the EINECS.

LABELING ACCORDING TO EC-REGULATIONS REQUIRED:
SYMBOL: Not required
R-PHRASE: Not required
S-PHRASE: Not required

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WGK CLASSIFICATION (Water Resources Act in Germany):
WGK=1

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SECTION XV:	REGULATORY INFORMATION	CONT.
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SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III SECTION 313 SUPPLIER NOTIFICATION:

This regulation requires submission of annual reports of toxic chemical(s) that appear in section 313 of the emergency planning and community Right-To-Know Act of 1986 and 40 CFR 372. This information must be included in all MSDS's that are copied and distributed for the material.

The toxic chemical(s) contained in this product are:

CHEMICAL NAME / (CAS No.) AND CONTENTS: None

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CALIFORNIA PROPOSITION 65:

This regulation requires a warning for California Proposition 65 Chemical (s) under the statue. The California Proposition 65 Chemical(s) contained in this product are:

CHEMICAL NAME / (CAS No.) AND CONTENTS: None

SECTION XVI:	OTHER INFORMATION
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This material safety data sheet is offered solely for your information, consideration and investigation. The data described in this MSDS consist of data on literature, our acquisitional data and analogical inference by data of similar chemical substance or product. Lotioncrafter provides no warranties, either expressed or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein.