



**SF1214 55G-Drum (420.0LBS-190.68KG)
CYCLIC SILICONES & DIMETHYL GUM**

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufactured By: Waterford Plant
260 Hudson River Rd
Waterford NY 12188

Revised: 05/24/2007
Preparer: PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS
CHEMTREC 1-800-424-9300

Chemical Family/Use: Personal Care Formulary
Formula: Silicone fluid

HMIS

Flammability: 2 Reactivity: 0 Health: 0 Prot. Equipm.:

NFPA

Flammability: 2 Reactivity: 0 Health: 0 Special Haz.:

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>PRODUCT COMPOSITION</u>	<u>CAS REG NO.</u>	<u>WGT. %</u>
<u>A. HAZARDOUS</u>		
Decamethylcyclopentasiloxane	541-02-6	60 - 90 %
Mixed Cyclosiloxanes	69430-24-6	1 - 5 %
<u>B. NON-HAZARDOUS</u>		
Polydimethylsiloxane	63148-62-9	10 - 30 %

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION! Combustible liquid and vapor.
Form: Liquid Color: Clear Odor: None.

POTENTIAL HEALTH EFFECTS

INGESTION

No adverse effects are expected under normal conditions of use.

SKIN

No adverse effects are expected under normal conditions of use.



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INHALATION

No adverse effects are expected under normal conditions of use.

EYES

May cause mild eye irritation.

MEDICAL CONDITIONS AGGRAVATED

None known.

SUBCHRONIC (TARGET ORGAN)

None known.

CHRONIC EFFECTS / CARCINOGENICITY

This product or one of its ingredients present at 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

ROUTES OF EXPOSURE

Eyes

4. FIRST AID MEASURES

INGESTION

Do not induce vomiting. If victim is conscious, give 1-3 glasses of water to drink. Never give anything by mouth to an unconscious person. Get medical attention if irritation persists.

SKIN

Wash with soap and water. Get medical attention if irritation or symptoms from Section 3 develop.

INHALATION

If inhaled, remove to fresh air. If not breathing give artificial respiration using a barrier device. If breathing is difficult give oxygen. Get medical attention.

EYES

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

NOTE TO PHYSICIAN

None known.

5. FIRE-FIGHTING MEASURES

FLASH POINT:	ca. 76.7 °C; 170 °F
METHOD:	closed cup
IGNITION TEMPERATURE:	450 °C; 842 °F
FLAMMABLE LIMITS IN AIR - LOWER (%):	Unknown



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FLAMMABLE LIMITS IN AIR - UPPER (%): Unknown

SENSITIVITY TO MECHANICAL IMPACT: No

SENSITIVITY TO STATIC DISCHARGE
Sensitivity to static discharge is not expected.

EXTINGUISHING MEDIA
All standard extinguishing agents are suitable.

SPECIAL FIRE FIGHTING PROCEDURES
Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED
Wipe, scrape or soak up in an inert material and put in a container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard.

7. HANDLING AND STORAGE

STORAGE
Keep containers tightly closed in a dry, cool and well-ventilated place.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE
Avoid contact with skin and eyes. Keep away from children. Keep container tightly closed. Use ground strap and appropriate precautions for dispensing flammable liquids. Store away from heat, sources of ignition, and incompatibles.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS
Use only in an area equipped with a safety shower.; Eye wash bottle with pure water

RESPIRATORY PROTECTION
If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Supplied air respirators may be required for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA regulations (see 29 CFR 1910.134).

PROTECTIVE GLOVES
Impermeable or chemical resistant gloves.



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EYE AND FACE PROTECTION

Safety glasses with side-shields

OTHER PROTECTIVE EQUIPMENT

Wear suitable protective clothing and eye/face protection.

Exposure Guidelines

<u>Component</u>	<u>CAS RN</u>	<u>Source</u>	<u>Value</u>
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Absence of values indicates none found

PEL - OSHA Permissible Exposure Limit; TLV - ACGIH Threshold Limit Value; TWA - Time Weighted Average

OSHA revoked the Final Rule Limits of January 19, 1989 in response to the 11th Circuit Court of Appeals decision (AFL-CIO v. OSHA) effective June 30, 1993. See 29 CFR 1910.1000 (58 FR 35338).

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT - C & F:	210.00 °C; 410 °F
VAPOR PRESSURE (20 C) (MM HG):	0.75
VAPOR DENSITY (AIR=1):	> 1
FREEZING POINT:	Unknown
MELTING POINT:	Unknown
PHYSICAL STATE:	Liquid
ODOR:	None.
COLOR:	Clear
EVAPORATION RATE (BUTYL ACETATE=1):	< 1
SPECIFIC GRAVITY (WATER=1):	0.95
DENSITY:	956.80 g/cm ³
ACID / ALKALINITY (MEQ/G):	<5 PPM
pH:	Not applicable
VOLATILE ORGANIC CONTENT (VOL):	Unknown
SOLUBILITY IN WATER (20 C):	Insoluble
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):	Soluble in Acetone
VOC EXCL. H₂O & EXEMPTS (G/L):	680

10. STABILITY AND REACTIVITY

STABILITY

Stable

HAZARDOUS POLYMERIZATION

Will not occur



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HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS

Carbon dioxide (CO₂); formaldehyde; Carbon monoxide; Silicon dioxide.; This product contains components which can generate formaldehyde at approximately 300 F (150 C) and above in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. An MSDS for formaldehyde is available from Momentive Performance Materials, Inc.

INCOMPATIBILITY (MATERIALS TO AVOID)

None known.

CONDITIONS TO AVOID

Keep away from heat and sources of ignition. Avoid any source of ignition due to flammability.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL

LD50; Species: rat; > 5,000 mg/kg; Method: 40 CFR 798.1175

ACUTE DERMAL

Remarks: Unknown

ACUTE INHALATION

Remarks: Unknown

OTHER

SENSITIZATION

Test Type: Magnusson-Kligmann; Species: guinea pig; Result: negative

SKIN IRRITATION

Species: rabbit; Result: Mild skin irritation. Method: 40 CFR 798.4470.

EYE IRRITATION

Species: rabbit ; Result: No eye irritation. Method: 40 CFR 798.4500.

MUTAGENICITY

Not mutagenic in AMES Test.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGY

No data available

CHEMICAL FATE

No data available



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DISTRIBUTION

No data available

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD

Disposal should be made in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT SHIPPING NAME:	Combustible liquid, n.o.s.(Decamethylcyclopentasiloxane)
DOT HAZARD CLASS:	CBL
DOT LABEL (S):	NON
UN/NA NUMBER:	NA 1993
PACKING GROUP:	III

15. REGULATORY INFORMATION

Inventories

Canada DSL Inventory	y (Positive listing)
Japan Inventory of Existing & New Chemical Substances (ENCS)	y (Positive listing)
Korea Existing Chemicals Inventory (KECI)	y (Positive listing)
China Inventory of Existing Chemical Substances	y (Positive listing)
Australia Inventory of Chemical Substances (AICS)	y (Positive listing)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	y (Positive listing)
TSCA list	y (Positive listing)
EU list of existing chemical substances	y (Positive listing)
Canada NDSL Inventory	n (Negative listing)

For inventories that are marked as quantity restricted or special cases, please contact GE.



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US Regulatory Information

CERCLA

PRODUCT COMPOSITION

Chemical

CERCLA Reportable Quantity

CLEAN AIR ACT

CLEAN WATER ACT

SARA SECTION 302

SARA (311,312) HAZARD CLASS

Fire Hazard

SARA (313) CHEMICALS

Canadian Regulatory Information

WHMIS HAZARD CLASS

Combustible Liquid, D2A VERY TOXIC MATERIALS, D2B TOXIC MATERIALS

Other

SCHDLE B/HTSUS:

3824.90 Chemical products & preparations N.E.S.

ECCN:

EAR99

CALIFORNIA PROPOSITION 65

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

16. OTHER INFORMATION

OTHER

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is 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., C = ceiling limit NEGL = negligible EST = estimated NF = none found
NA = not applicable UNKN = unknown NE = none established REC = recommended ND = none determined V = recommended by vendor SKN = skin TS = trade secret R = recommended MST = mist NT = not tested STEL = short term exposure limit ppm =



MOMENTIVE
performance materials

Material Safety Data Sheet

Version: 1.2
05/24/2007

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parts per million ppb = parts per billion By-product= reaction by-product, TSCA inventory status
not required under 40 CFR part 720.30(h-2).