



Material Safety Data Sheet

Version: 1.1
04/19/2007

SM2164 55G-Drum (450.0LBS-204.30KG) POLYDIMETHYLSILOXANE EMULSION

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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

Revised: 04/19/2007
Preparer: PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS
CHEMTREC 1-800-424-9300

Chemical Family/Use: Silicone emulsion
Formula: Polydimethylsiloxane emulsion

HMIS
Flammability: 1 Reactivity: 0 Health: 1 Prot. Equipm.:

NFPA
Flammability: 1 Reactivity: 0 Health: 1 Special Haz.:

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>PRODUCT COMPOSITION</u>	<u>CAS REG NO.</u>	<u>WGT. %</u>
<u>A. HAZARDOUS</u>		
Ethanol	64-17-5	< 1 %
Sodium alkylaryl polyethersulfonate	67923-87-9	1 - 5 %
<u>B. NON-HAZARDOUS</u>		
Polydimethylsiloxane	63148-62-9	30 - 60 %
Water	7732-18-5	30 - 60 %

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION! May cause eye and skin irritation. Attention: Not for injection into humans.
Form: Liquid Color: white Odor: odourless

POTENTIAL HEALTH EFFECTS

INGESTION

May be harmful if swallowed.

SKIN

May cause mild irritation.

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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; Dermal

4. FIRST AID MEASURES

INGESTION

Do NOT induce vomiting. If victim is conscious, give 2 glasses of water. Never give anything by mouth to an unconscious person. Obtain medical attention.

SKIN

Wash off with soap and water. Get medical attention if symptoms occur.

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

Treatment is symptomatic and supportive.

5. FIRE-FIGHTING MEASURES

FLASH POINT:	> 110 °C; 230 °F
METHOD:	Pensky Martens closed cup
IGNITION TEMPERATURE:	Not applicable
FLAMMABLE LIMITS IN AIR - LOWER (%):	Not applicable
FLAMMABLE LIMITS IN AIR - UPPER (%):	Not applicable



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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. Wear proper protective equipment as specified in the protective equipment section.

7. HANDLING AND STORAGE

STORAGE

Keep container closed. Recommended Storage Between 35F (2C) and 80F(26 C).

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Avoid contact with eyes. Keep away from children. Do not freeze. Stir well before using. Attention: Not for injection into humans. May generate formaldehyde at temperatures greater than 150 C (300 F). See Section 10 of MSDS for details.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS

Eyewash stations; Showers; Ventilation and other forms of engineering controls are preferred for controlling exposures. Respiratory protection may be needed for non-routine or emergency situations.

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

Component	CAS RN	Source	Value
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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:	110.00 °C; 230 °F
VAPOR PRESSURE (20 C) (MM HG):	No data available
VAPOR DENSITY (AIR=1):	> 1
FREEZING POINT:	ca. 0 °C; 32 °F
MELTING POINT:	ca. 0 °C; 32 °F
PHYSICAL STATE:	Liquid
ODOR:	odourless
COLOR:	white
EVAPORATION RATE (BUTYL ACETATE=1):	< 1
SPECIFIC GRAVITY (WATER=1):	~1.0
DENSITY:	ca. 0.983 g/cm ³
ACID / ALKALINITY (MEQ/G):	No data available
pH:	No data available
VOLATILE ORGANIC CONTENT (VOL):	44 %(m)
SOLUBILITY IN WATER (20 C):	Dispersible in water
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):	Insoluble
VOC EXCL. H ₂ O & EXEMPTS (G/L):	No data available

10. STABILITY AND REACTIVITY

STABILITY

Stable

HAZARDOUS POLYMERIZATION

Will not occur

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HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS

After evaporation of water, residue can burn to produce:; Carbon dioxide (CO₂); Carbon monoxide; Silicon dioxide.; formaldehyde; 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

None known.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL

Remarks: No data available

ACUTE DERMAL

Remarks: No data available

ACUTE INHALATION

Remarks: No data available

OTHER

Ethanol has shown positive results in in vivo screening tests for mutagenicity.

SENSITIZATION

No data available

SKIN IRRITATION

No data available

EYE IRRITATION

No data available

MUTAGENICITY

No data available

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., Incineration recommended in approved incinerator according to federal, state, and local regulations.

14. TRANSPORT INFORMATION

Further Information:

This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.

15. REGULATORY INFORMATION

Inventories

Canada DSL Inventory	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)
Canada NDSL Inventory	n (Negative listing)
EU list of existing chemical substances	y (Positive listing)

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

US Regulatory Information

CERCLA

PRODUCT COMPOSITION

Chemical

CERCLA Reportable Quantity

CLEAN AIR ACT

CLEAN WATER ACT



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SARA SECTION 302

SARA (311,312) HAZARD CLASS
Acute Health Hazard

SARA (313) CHEMICALS

Canadian Regulatory Information

WHMIS HAZARD CLASS
D2A VERY TOXIC MATERIALS

Other

SCHDLE B/HTSUS: 3910.00.00.00 Silicones in primary form

ECCN: EAR99

CALIFORNIA PROPOSITION 65

Warning! This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.
64-17-5, Ethanol. 123-91-1, 1,4-Dioxane.

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 = 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).