



Material Safety Data Sheet

Version: 1.2
08/28/2007

SF96-5 5 Centistoke Dimethyl Fluid

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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

Revised: 08/28/2007
Preparer: PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS
CHEMTREC 1-800-424-9300

Chemical Family/Use: Silicone fluid
Formula: Polydimethylsiloxane

HMIS
Flammability: 1 Reactivity: 0 Health: 0

NFPA
Flammability: 1 Reactivity: 0 Health: 1

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Normal precautions common to safe manufacturing practice should be followed in handling and storage.

Form: Liquid Color: Clear, colorless Odor: Mild

none

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>PRODUCT COMPOSITION</u>	<u>CAS REG NO.</u>	<u>WGT. %</u>
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A. HAZARDOUS

Siloxanes and Silicones, di-me	63148-62-9	100 %
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4. FIRST AID MEASURES

INGESTION

Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

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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

Rinse with plenty of water. If symptoms persist, call a physician.

NOTE TO PHYSICIAN

Treatment is symptomatic and supportive.

5. FIRE-FIGHTING MEASURES

FLASH POINT:	121 °C; 250 °F
METHOD:	250 °F; 482 °F
IGNITION TEMPERATURE:	Pensky-Martens closed cup ASTM D 93
FLAMMABLE LIMITS IN AIR - LOWER (%):	Not applicable
FLAMMABLE LIMITS IN AIR - UPPER (%):	Not available
	Not available

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.

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7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep container closed when not in use. Keep away from children. Attention: Not for injection into humans. May generate formaldehyde at temperatures greater than 150 C (300 F). See Section 10 of MSDS for details.

Other precautions

Traces of formaldehyde may be present if material is heated in air above 150°C (302°F). Formaldehyde is a potential cancer hazard, a known skin and respiratory sensitizer, and an irritant to the eyes, nose, throat, skin and digestive system. OSHA has established a PEL of 0.75 ppm, 8 hour TWA and 2 ppm, 15 minute STEL for formaldehyde. Provide ventilation adequate to control vapor exposure within inhalation guidelines when handling at elevated temperatures. Review the OSHA formaldehyde regulations for detailed information on safe handling requirements.

STORAGE

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

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 29CFR 1910.134).

PROTECTIVE GLOVES

Impermeable or chemical resistant gloves.

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:	> 200 °C; > 392 °F; Polymer
VAPOR PRESSURE (20 C) (MM HG):	< 1
VAPOR DENSITY (AIR=1):	Heavier than air
FREEZING POINT:	< -25 °C; < -13 °F
MELTING POINT:	< -25 °C; < -13 °F
PHYSICAL STATE:	Liquid
ODOR:	Mild
COLOR:	Clear, colorless
EVAPORATION RATE (BUTYL ACETATE=1):	< 1
SPECIFIC GRAVITY (WATER=1):	ca. 0.97
DENSITY:	0.97 g/cm ³ estimated
ACID / ALKALINITY (MEQ/G):	No data available
pH:	Not applicable
VOLATILE ORGANIC CONTENT (VOL):	Not determined
SOLUBILITY IN WATER (20 C):	Insoluble
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):	Slightly in Toluene

10. STABILITY AND REACTIVITY

STABILITY

Stable.

HAZARDOUS POLYMERIZATION

None known.

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS

Burning can produce the following combustion products; Oxides of carbon.; Oxides of silicon.; Formaldehyde.; Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant.; Acute overexposure to the products of combustion may result in irritation of the respiratory tract.

INCOMPATIBILITY (MATERIALS TO AVOID)

None currently known.

CONDITIONS TO AVOID

None known.

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11. TOXICOLOGICAL INFORMATION

ACUTE ORAL

LD50; Species: Rat.; > 5,000 mg/kg;

ACUTE DERMAL

LD50; Species: Rabbit.; > 10,000 mg/kg; Remarks: very low acute toxicity

ACUTE INHALATION

LC50; Species: Rat.; > 535 mg/l; Remarks: very low acute toxicity

OTHER

No data available

SENSITIZATION

Test Type: Magnusson-Kligmann; Species: guinea pig; Result: Negative. Method: OECD-Guideline 406 (Skin Sensitisation). Did not cause sensitization on laboratory animals.

SKIN IRRITATION

Species: Rabbit.; Result: No skin irritation

EYE IRRITATION

Species: Rabbit. ; Result: No eye irritation

MUTAGENICITY

Negative in the Ames test.

OTHER EFFECTS OF OVEREXPOSURE

No adverse effects anticipated from available information.

12. ECOLOGICAL INFORMATION

ECOTOXICITY

No data available

DISTRIBUTION

No data available

CHEMICAL FATE

No data available

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13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD

Disposal should be made in accordance with 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)
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)
TSCA list	y (Positive listing)
TSCA list	y (Positive listing)

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

US Regulatory Information

SARA (311,312) HAZARD CLASS

No SARA Hazards

Canadian Regulatory Information

WHMIS HAZARD CLASS

NON-CONTROLLED

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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).