MOMENTIVE
performance materials

Material Safety Data Sheet

Version: 1.3
07/04/2007

VISCASIL 60M-410LBS
Dimethylpolysiloxane

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufactured By: **Waterford Plant**
260 Hudson River Rd
Waterford NY 12188
Revised: 07/04/2007
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. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION	CAS REG NO.	WGT. %
A. HAZARDOUS		
B. NON-HAZARDOUS		
Polydimethylsiloxane	63148-62-9	> 90 %

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Attention! This material is not considered hazardous by the OSHA Hazard Communication Standard 29 CFR 1910.1200
Form: Liquid Color: Clear Odor: odourless

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.

INHALATION
No adverse effects are expected under normal conditions of use.

EYES
No adverse effects are expected under normal conditions of use. May cause slight irritation. May cause: - swelling of the conjunctivae

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
No anticipated routes of exposure

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.

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:	> 204 °C; 399 °F
METHOD:	closed cup

IGNITION TEMPERATURE:	Not applicable
FLAMMABLE LIMITS IN AIR - LOWER (%):	Not applicable
FLAMMABLE LIMITS IN AIR - UPPER (%):	Not applicable
SENSITIVITY TO MECHANICAL IMPACT:	No

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.

PERSONAL PRECAUTIONS

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.

7. HANDLING AND STORAGE

ADVICE ON SAFE HANDLING

Sensitivity to static discharge is not expected., Follow normal Industrial Hygiene practices when handling

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 29 CFR 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

Component	CAS RN	Source	Value

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):	negligible
VAPOR DENSITY (AIR=1):	> 1
FREEZING POINT:	< -25 °C; -13 °F
MELTING POINT:	< -25 °C; -13 °F
PHYSICAL STATE:	Liquid
ODOR:	odourless
COLOR:	Clear
EVAPORATION RATE (BUTYL ACETATE=1):	< 1
SPECIFIC GRAVITY (WATER=1):	ca. 0.97
DENSITY:	ca. 0.97 g/cm3
ACID / ALKALINITY (MEQ/G):	No data available
pH:	Not applicable
VOLATILE ORGANIC CONTENT (VOL):	0.00 %(m)
SOLUBILITY IN WATER (20 C):	Insoluble
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):	Slightly in Toluene
VOC EXCL. H2O & EXEMPTS (G/L):	ca. 14

10. STABILITY AND REACTIVITY

STABILITY
Stable

HAZARDOUS POLYMERIZATION
Will not occur

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS
Burning can produce the following combustion products:; Carbon dioxide (CO2); Carbon monoxide; Silicon dioxide.; 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.; This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300 degrees Fahrenheit (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. A MSDS for formaldehyde is available from Momentive.

INCOMPATIBILITY (MATERIALS TO AVOID)
None known.

CONDITIONS TO AVOID
None known.

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.

EYE IRRITATION
Species: rabbit ; Result: No eye irritation

MUTAGENICITY
Negative in the Ames test.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGY

CHEMICAL FATE
No data available

DISTRIBUTION
No data available

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)
EU list of existing chemical substances	y (Positive listing)

Canada NDSL Inventory	n (Negative listing)	
TSCA list	y (Positive listing)	On TSCA Inventory

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

SARA (313) CHEMICALS

Canadian Regulatory Information

WHMIS HAZARD CLASS
NON-CONTROLLED

Other

None.

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 = 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).