MOMENTIVE
performance materials

Material Safety Data Sheet

Version: 1.
10/30/2007

L-405-2000
Polydimethylsiloxane (inhibited)

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufactured By: **Momentive Performance Materials**
3500 South State Route 2
FRIENDLY WV 26146
Revised: 10/30/2007
Preparer: PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS
CHEMTREC 1-800-424-9300

Chemical Family/Use: Polydimethylsiloxane (inhibited)
Formula: Polydimethylsiloxane (inhibited)

HMIS

Flammability:	1	Reactivity:	0	Health:	0

NFPA

Flammability:	1	Reactivity:	0	Health:	0

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Normal precautions common to safe manufacturing practice should be followed in handling and storage.
Form: Liquid Color: Yellow Odor: Mild

POTENTIAL HEALTH EFFECTS

INGESTION
No evidence of harmful effects from available information.

SKIN
No evidence of harmful effects from available information.

INHALATION
Short-term harmful health effects are not expected from vapor generated at ambient temperature.

EYES
May cause slight irritation. May cause the following effects: - swelling of the conjunctivae

MEDICAL CONDITIONS AGGRAVATED
A knowledge of the available toxicology information and of the physical and chemical properties of the material suggests that overexposure is unlikely to aggravate existing medical conditions.

SUBCHRONIC (TARGET ORGAN)
None known.

CHRONIC EFFECTS / CARCINOGENICITY
For additional information, please see Section 11, Toxicological Information.

ROUTES OF EXPOSURE
No anticipated routes of exposure.

3. COMPOSITION / INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION	CAS REG NO.	WGT. %
A. HAZARDOUS		
B. NON-HAZARDOUS		
Siloxanes and Silicones, di-me	63148-62-9	> 90 %

4. FIRST AID MEASURES

INGESTION
No emergency care anticipated.

SKIN
Wash off with soap and water.

INHALATION
No emergency care anticipated.

EYES
If in eyes, rinse with water for 15 minutes.

NOTE TO PHYSICIAN
Treatment is symptomatic and supportive.

5. FIRE-FIGHTING MEASURES

FLASH POINT:	254 °C; 489 °F
METHOD:	Pensky-Martens closed cup ASTM D 93
FLAMMABLE LIMITS IN AIR - LOWER (%):	Not available
FLAMMABLE LIMITS IN AIR - UPPER (%):	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.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Avoid contact with skin and eyes. 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 container closed. Store in original container.

FURTHER INFORMATION ON STORAGE CONDITIONS

No data available

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

May be needed if product is used in a confined or poorly ventilated area. 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

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:	> 250 °C; > 482 °F; Mixture
VAPOR PRESSURE (20 C) (MM HG):	< 1
VAPOR DENSITY (AIR=1):	Heavier than air
FREEZING POINT:	< -50 °C; < -58 °F
MELTING POINT:	< -50 °C; < -58 °F
PHYSICAL STATE:	Liquid
ODOR:	Mild
COLOR:	Yellow
EVAPORATION RATE (BUTYL ACETATE=1):	< 1
DENSITY:	0.9729 g/cm3
VOLATILE ORGANIC CONTENT (VOL):	Not determined
SOLUBILITY IN WATER (20 C):	Insoluble

10. STABILITY AND REACTIVITY

STABILITY

Stable

HAZARDOUS POLYMERIZATION

Will not occur.

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS

Burning can produce the following combustion products:; Oxides of carbon.; Oxides of silicon.; Oxides of nitrogen.; 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)

Strong oxidizing agents

CONDITIONS TO AVOID

None known.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL

LD50; Species: Rat.; > 5,000 mg/kg; Remarks: Very low order of toxicity

ACUTE DERMAL

LD50; Species: Rabbit.; > 10,000 mg/kg; Remarks: Very low order of toxicity

ACUTE INHALATION

LC50; Species: Rat.; > 535 mg/l; Remarks: Very low order of toxicity

OTHER

Non-irritating to skin (rbt).

SENSITIZATION

Test Type: Sensitisation, skin; Species: guinea pig; Result: Negative. Method: Magnusson-Kligmann. Did not cause sensitization on laboratory animals.

SKIN IRRITATION

No skin irritation

EYE IRRITATION

Species: Rabbit. ; No eye irritation

MUTAGENICITY

Negative in the Ames test.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGY

All available ecological data have been taken into account for the development of the hazard and precautionary information contained in this Safety Data Sheet.

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

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

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

US Regulatory Information

CERCLA

Reportable quantity: 133,333 lbs

PRODUCT COMPOSITION	Chemical	CERCLA Reportable Quantity
Toluene	108-88-3	Reportable quantity: 1,000 LBS

SARA (311,312) HAZARD CLASS
No SARA Hazards

SARA (313) CHEMICALS

Canadian Regulatory Information

CALIFORNIA PROPOSITION 65
WARNING! This product contains a chemical known in the State of California to cause cancer. 108-88-3, Toluene.

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).