



MOMENTIVE
performance materials

Material Safety Data Sheet

Version: 1.1
07/06/2010

SEC2500.10 Silicone Sealant

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufactured By: Momentive performance material
260 Hudson River Rd
Waterford NY 12188

Revised: 07/06/2010
Preparer: PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS
CHEMTREC 1-800-424-9300

Chemical Family/Use: Architectural Coating
Formula: Mixture

HMIS

Flammability: 2 Reactivity: 0 Health: 2

NFPA

Flammability: 2 Reactivity: 0 Health: 2

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING! Combustible liquid and vapor. Irritating to eyes, respiratory system and skin. Harmful by inhalation, in contact with skin and if swallowed. May cause adverse liver, kidney, and CNS effects.

CANCER HAZARD BY INHALATION.

Form: liquid

Color: dark grey

Odor: solvent

POTENTIAL HEALTH EFFECTS

INGESTION

Harmful if swallowed. Aspiration hazard if swallowed - can enter lungs and cause damage. May cause pneumonitis as a result of aspiration.

SKIN

Cause mild skin irritation. May cause skin defatting with prolonged exposure. May be harmful if absorbed through skin.

INHALATION

Harmful if inhaled. Causes irritation of the mouth, nose, and throat. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Can cause unconsciousness if inhaled. A dust hazard may be created if, under conditions of use, solid particles are separated from the polymeric matrix. Massive inhalation immediately dangerous to life and health. Applies in uncured state.

EYES

High vapor concentrations may cause irritation. Causes eye irritation.



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MEDICAL CONDITIONS AGGRAVATED

Respiratory disorder Skin disorders

SUBCHRONIC (TARGET ORGAN)

Central nervous system; Liver and kidney injuries may occur.

CHRONIC EFFECTS / CARCINOGENICITY

This product or one of its ingredients present at 0.1% or more is listed as a carcinogen by NTP, IARC or OSHA X Yes ___ No Crystalline silica: This product contains greater than 0.1% crystalline silica. The International Agency for Research on Cancer (IARC) has determined that there is sufficient evidence for the carcinogenicity of crystalline silica to experimental animals and limited evidence of carcinogenicity in humans.

ROUTES OF EXPOSURE

dermal; Eyes; Inhalation; Oral.; Absorption through skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION

CAS REG NO.

WGT. %

A. HAZARDOUS

Limestone	471-34-1	30 - 60 %
Methyltrimethoxysilane	1185-55-3	1 - 5 %
Stearic Acid	57-11-4	1 - 5 %
QUARTZ	14808-60-7	0.1 - 1 %

B. NON-HAZARDOUS

Titanium Dioxide	13463-67-7	1 - 5 %
DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE	64742-46-7	10 - 30 %
Dimethylpolysiloxane	70131-67-8	10 - 30 %
Treated Silica	68937-51-9	1 - 5 %
Dimethylpolysiloxane	70131-67-8	10 - 30 %

4. FIRST AID MEASURES

INGESTION

Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical



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attention. Never give anything by mouth to an unconscious person.

SKIN

Remove and wash contaminated clothing before re-use. In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention.

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: 70 °C; 158 °F. does not flash
METHOD: Pensky Martens closed cup
IGNITION TEMPERATURE: 232 °C; 450 °F
FLAMMABLE LIMITS IN AIR - LOWER (%): 1 %(V).
FLAMMABLE LIMITS IN AIR - UPPER (%): 6 %(V).

SENSITIVITY TO MECHANICAL IMPACT: No

SENSITIVITY TO STATIC DISCHARGE

Sensitivity to static discharge is expected; material has a flash point below 200 F.

EXTINGUISHING MEDIA

Water spray, dry chemical, foam, or carbon dioxide.none

SPECIAL FIRE FIGHTING PROCEDURES

Combustible, Containers can build up pressure if exposed to heat (fire)., This product or a component thereof can flow along surfaces to reach a distant ignition source and flash back., Run off to sewer may cause fire or explosion hazard., 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

Wear proper protective equipment as specified in the protective equipment section. Increase area ventilation. Remove all sources of ignition. Warn other workers of spill. Person not trained should



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evacuate area. Wipe, scrape or soak up in an inert material and put in a container for disposal.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Avoid contact with skin, eyes and clothing. Avoid inhalation of vapors or mists. Use ground strap and appropriate precautions for dispensing flammable liquids. Use only in well-ventilated areas. Keep container closed when not in use. Keep away from children.

STORAGE

Store away from heat, sources of ignition, and incompatibles.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

Eyewash stations; Showers

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

Rubber gloves

EYE AND FACE PROTECTION

Monogoggles; Safety glasses with side-shields

OTHER PROTECTIVE EQUIPMENT

Rubber apron; Wear suitable protective clothing and eye/face protection.

Exposure Guidelines

Component	CAS RN	Source	Value
Stearic Acid	57-11-4	ACGIH, TWA	10 mg/m ³
QUARTZ	14808-60-7	ACGIH, TWA	Respirable fraction. 0.025 mg/m ³

Absence of values indicates none found

PEL - OSHA Permissible Exposure Limit; TLV - ACGIH Threshold Limit Value; TWA - Time Weighted Average; INTL REL - Internal Recommended Exposure Limit

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).



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9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT - C & F:	ca.156 °C; 313 °F
VAPOR PRESSURE (20 C) (MM HG):	< 3.76
VAPOR DENSITY (AIR=1):	4
FREEZING POINT:	not applicable
PHYSICAL STATE:	liquid
ODOR:	solvent
COLOR:	dark grey
EVAPORATION RATE (BUTYL ACETATE=1):	> 1
SPECIFIC GRAVITY (WATER=1):	ca. 1.21
DENSITY:	ca. 1.207 g/cm ³
ACID / ALKALINITY (MEQ/G):	Unknown
pH:	not applicable
SOLUBILITY IN WATER (20 C):	insoluble
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):	Soluble in Petroleum Distillate
VOLATILE ORGANIC CONTENT:	21.1 %(m)
VOC EXCL. H₂O & EXEMPTS (G/L):	255 g/l

10. STABILITY AND REACTIVITY

STABILITY

Stable

HAZARDOUS POLYMERIZATION

Hazardous polymerisation does not occur.

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS

Carbon dioxide (CO₂); Carbon monoxide; Silicon dioxide.; formaldehyde; 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

Keep away from heat and sources of ignition.



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11. TOXICOLOGICAL INFORMATION

ACUTE ORAL

Remarks: Unknown

ACUTE DERMAL

Remarks: Unknown

ACUTE INHALATION

Remarks: Unknown

OTHER

None.

SENSITIZATION

no data available

SKIN IRRITATION

no data available

EYE IRRITATION

no data available

MUTAGENICITY

Unknown

OTHER EFFECTS OF OVEREXPOSURE

Methanol released during curing.

12. ECOLOGICAL INFORMATION

ECOTOXICITY

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



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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

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

CERCLA

Reportable quantity 414938 lbs

PRODUCT COMPOSITION

Isopropyl Alcohol

Chemical

67-63-0

CERCLA Reportable Quantity

Reportable quantity: 100 LBS

SARA (311,312) HAZARD CLASS

Acute Health Hazard; Chronic Health Hazard; Fire Hazard

SARA (313) CHEMICALS

CALIFORNIA PROPOSITION 65

WARNING! This product contains a chemical known to the State of California to cause cancer.
14808-60-7, Quartz.

Canadian Regulatory Information



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WHMIS HAZARD CLASS

B3 - B3: Combustible liquid

D2A - Very toxic material causing other toxic effects

D2B - Toxic material causing other toxic effects

16. OTHER INFORMATION

OTHER

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)., 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.