

**TSE392-C
SILICONE RUBBER SEALANT****1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Manufactured By: Momentive Performance Materials
133 Nishishin-machi, Ohta-shi
Ohta-shi 10 3738505

Revised: 03/11/2011
Preparer: PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS
CHEMTREC 1-800-424-9300

Chemical Family/Use: Sealant
Formula: Mixture

HMIS

Flammability: 1 Reactivity: 0 Health: 1

NFPA

Flammability: 1 Reactivity: 0 Health: 1

2. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

WARNING! Irritating to eyes, respiratory system and skin. May be harmful if swallowed. Attention: Not for injection into humans. May cause adverse reproductive effects. Adverse reproductive effects reported in animals.

Form: Paste**Color:** Colorless**Odor:** Faint**POTENTIAL HEALTH EFFECTS****INGESTION**

May be harmful if swallowed.

SKIN

Uncured product contact will irritate lips, gums and tongue. May cause skin irritation.

INHALATION

Irritating to respiratory system. Applies in uncured state.

EYES

Eye irritation on contact with the uncured product.

MEDICAL CONDITIONS AGGRAVATED

None known.

SUBCHRONIC (TARGET ORGAN)

None known.

**TSE392-C
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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

Dermal; Eye

OTHER

Ammonia released during curing. Methanol released during curing.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>PRODUCT COMPOSITION</u> | <u>CAS REG NO.</u> | <u>WGT. %</u> |
|--|--------------------|---------------|
| <u>A. HAZARDOUS</u> | | |
| CYCLOPENTYLSILAZANE-AMINO SILOXANE COPOLYMER, METHOXY TERMINATED | 134759-20-9 | 1 - 5 % |
| <u>B. NON-HAZARDOUS</u> | | |
| Methoxypolydimethylsiloxane | 68037-58-1 | 60 - 100 % |
| Polydimethylsiloxane | 63148-62-9 | 10 - 30 % |
| Treated Fumed Silica | 68583-49-3 | 10 - 30 % |

4. FIRST AID MEASURES**INGESTION**

Do not induce vomiting. If victim is conscious, give 1-3 glasses of water to drink. Never give anything by mouth to an unconscious person. Get medical attention if irritation persists.

SKIN

Wash with soap and water.

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.

**TSE392-C
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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: | 144 °C; 291 °F |
| IGNITION TEMPERATURE: | 450 °C; 842 °F |
| FLAMMABLE LIMITS IN AIR - LOWER (%): | Not applicable |
| FLAMMABLE LIMITS IN AIR - UPPER (%): | Not applicable |

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. Remove contact lenses before using sealant. Do not handle lenses until all sealant has been cleaned from the finger and hands. Residual sealant may remain on fingers for several days and transfer to lenses, resulting in eye irritation.

Do not inhale vapors.

STORAGE

Keep container tightly closed in a cool, well-ventilated place. Keep out of the reach of children.

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Eyewash stations; Showers; Exhaust ventilation

RESPIRATORY PROTECTION

If exposure limits may be exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. A NIOSH/MSHA approved respirator with an organic vapor cartridge is generally acceptable. Supplied air respirators may be required for high vapor concentrations. 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 conforming to EN166

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> |
|------------------|---------------|---------------|--------------|
|------------------|---------------|---------------|--------------|

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).

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|--------------------|
| BOILING POINT - C & F: | Not applicable |
| VAPOR PRESSURE (20 C) (MM HG): | No data available. |
| VAPOR DENSITY (AIR=1): | No data available. |
| FREEZING POINT: | Not applied |
| PHYSICAL STATE: | Paste |
| Odor: | Faint |
| Color: | Colorless |
| EVAPORATION RATE (BUTYL ACETATE=1): | No data available. |
| SPECIFIC GRAVITY (WATER=1): | ca. 1.04 |
| DENSITY: | No data available. |
| pH: | No data available. |

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| | |
|---|-----------|
| SOLUBILITY IN WATER (20 C): | Insoluble |
| SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT): | Insoluble |
| VOC EXCL. H2O & EXEMPTS (G/L): | 39 g/l |

10. STABILITY AND REACTIVITY**STABILITY**

Stable

HAZARDOUS POLYMERIZATION

Hazardous polymerisation does not occur.

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS

Carbon dioxide; Carbon Monoxide.; Silicon dioxide.; Methanol; Ammonia.; Tin fumes.; 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, sparks and open flame.

11. TOXICOLOGICAL INFORMATION**ACUTE ORAL**

Remarks: No data available.

ACUTE DERMAL

Remarks: No data available.

ACUTE INHALATION

Remarks: No data available.

OTHER

Contains dibutyl tin dilaurate which may cause birth defects and reproductive effects based on animal data.

SENSITIZATION

No data available.

SKIN IRRITATION

No data available.

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EYE IRRITATION

No data available.

MUTAGENICITY

No data available.

12. ECOLOGICAL INFORMATION**ECOTOXICITY**

No data available.

DISTRIBUTION

No data available.

CHEMICAL FATE

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**

| | |
|--|----------------------------|
| Australia Inventory of Chemical Substances (AICS) | t (temporary special case) |
| 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 | y (positive listing) |

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Korea Existing Chemicals Inventory (KECI) y (positive listing)
Canada DSL Inventory q (quantity restricted)
Canada NDSL Inventory n (Negative listing)
Philippines Inventory of Chemicals and Chemical Substances (PICCS) y (positive 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**

Acute Health Hazard; Chronic Health Hazard

SARA (313) CHEMICALS**CALIFORNIA PROPOSITION 65**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Canadian Regulatory Information**WHMIS HAZARD CLASS**

D2B - Toxic Material Causing Other Toxic Effects

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).

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