# SAFETY DATA SHEET

## 1. Identification

**Product identifier:** TSE389-B

**Other means of identification**
**Synonyms:** Ketoxime Silicone Sealant

**Recommended use and restriction on use**
**Recommended use:** Silicone Elastomer (A)
**Restrictions on use:** Not known.

| | | |
|---|---|---|
| **Manufacturer/Importer/Distributor Information** | : | Momentive Performance Materials - Japan LLC<br>133 Nishishin-machi, Ohta-shi<br>Ohta-shi 10 3738505 |
| **Contact person** | : | commercial.services@momentive.com |
| **Telephone** | : | General information<br>+1-800-295-2392 |
| **Emergency telephone number**<br>**Supplier** | : | CHEMTREC<br>1-800-424-9300 |

## 2. Hazard(s) identification

**Hazard Classification**

**Health Hazards**

| | |
|---|---|
| Serious Eye Damage/Eye Irritation | Category 2A |
| Skin sensitizer | Category 1 |
| Toxic to reproduction | Category 1B |
| Specific Target Organ Toxicity - Repeated Exposure | Category 2[1.] |

**Target Organs**
1. Heart

**Unknown toxicity - Health**

| | |
|---|---|
| Acute toxicity, oral | 0 % |
| Acute toxicity, dermal | 0 % |
| Acute toxicity, inhalation, vapor | 0.42 % |

| | |
|---|---|
| Acute toxicity, inhalation, dust or mist | 0 % |

**Label Elements**

**Hazard Symbol:**

**Signal Word:** Danger

**Hazard Statement:** May cause an allergic skin reaction.
Causes serious eye irritation.
May damage fertility or the unborn child.
May cause damage to organs through prolonged or repeated exposure.

**Precautionary Statements**

**Prevention:** Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Contaminated work clothing must not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not breathe dust or mists.

**Response:** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. If exposed or concerned: Get medical advice/attention. Specific treatment (see this label). Wash contaminated clothing before reuse.

**Storage:** Store locked up.

**Disposal:** Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Other hazards which do not result in GHS classification:** None.

**Substance(s) formed under the conditions of use:** Mixture of polydimethylsiloxanes, fillers and cross-linkers.

## 3. Composition/information on ingredients

**Mixtures**

| Chemical Identity | CAS number | Content in percent (%)* | Notes |
|---|---|---|---|
| Silica, (1) Silica | 7631-86-9 | 10 - <20% | # This substance has workplace exposure limit(s). |
| Oxime silane | Trade secret | 5 - <10% | No data available. |
| butanone oxime vinylsilane | 2224-33-1 | 0.1 - <1% | No data available. |
| Aminoethyl aminopropyl trimethoxy silane | 1760-24-3 | 0.1 - <1% | No data available. |
| Carbon Black | 1333-86-4 | 0.1 - <1% | # This substance has workplace exposure limit(s). |
| Tin and its compounds (22% as Tin) | Trade secret | 0.1 - <0.3% | No data available. |
| Octamethylcyclotetrasiloxane | 556-67-2 | 0.1 - <1% | No data available. |

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**Trade secret information:** ** A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

(1) The respirable particle(s) listed above are inextricably bound within the polymer matrix, and therefore does not present an inhalation hazard during normal use of this product. Tooling or machining of the cured product (sanding, cutting, milling) may release hazardous, respirable substances.

## 4. First-aid measures

**Ingestion:** Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person.

**Inhalation:** If inhaled, move victim to fresh air and seek medical attention.

**Skin Contact:** Wash with plenty of water/…

**Eye contact:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**Most important symptoms/effects, acute and delayed**

**Symptoms:** None known.

**Hazards:** No data available.

**Indication of immediate medical attention and special treatment needed**

| | |
|---|---|
| **Treatment:** | No data available. |

## 5. Fire-fighting measures

| | |
|---|---|
| **General Fire Hazards:** | Use water spray to keep fire-exposed containers cool. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Use standard firefighting procedures and consider the hazards of other involved materials. |

**Suitable (and unsuitable) extinguishing media**

| | |
|---|---|
| **Suitable extinguishing media:** | Extinguish with foam, carbon dioxide or dry powder. |
| **Unsuitable extinguishing media:** | No data available. |
| **Specific hazards arising from the chemical:** | By heating and fire, irritating vapors/gases may be formed. In case of fire, carbon monoxide and carbon dioxide may be formed. |

**Special protective equipment and precautions for firefighters**

| | |
|---|---|
| **Special fire fighting procedures:** | Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking. |
| **Special protective equipment for fire-fighters:** | Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing. |

## 6. Accidental release measures

| | |
|---|---|
| **Personal precautions, protective equipment and emergency procedures:** | Use personal protective equipment. Keep upwind. |
| **Methods and material for containment and cleaning up:** | Put in an empty container for recovery after preventing spill by sand or sandbags,if the amount of spill is large. Put in an empty container for recovery after wiping or soaking up in an inert material,if the amount of spill is small. |
| **Notification Procedures:** | Remove sources of ignition. |
| **Environmental Precautions:** | Do not allow runoff to sewer, waterway or ground. |

## 7. Handling and storage

**Precautions for safe handling:** Wear appropriate personal protective equipment. Keep away from sources of ignition - No smoking. Avoid inhalation of vapors and spray mists. Use only with adequate ventilation.

**Conditions for safe storage, including any incompatibilities:** Store in a dark, cool place indoors, with container tightly closed.

## 8. Exposure controls/personal protection

**Control Parameters**

**Occupational Exposure Limits**

| Chemical Identity | type | Exposure Limit Values | Source |
|---|---|---|---|
| Silica, (1) Silica | REL | 6 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2010) |
| | TWA | 6 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| | TWA | 20 millions of particles per cubic foot of air | US. OSHA Table Z-3 (29 CFR 1910.1000) (2000) |
| | TWA | 0.8 mg/m3 | US. OSHA Table Z-3 (29 CFR 1910.1000) (2000) |
| Carbon Black - Inhalable fraction. | TWA | 3 mg/m3 | US. ACGIH Threshold Limit Values (03 2015) |
| Carbon Black | REL | 0.1 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2010) |
| | REL | 3.5 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2010) |
| | PEL | 3.5 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006) |
| | TWA | 3.5 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |

This product contains one or more substances with an occupational exposure limit. However, the respirable particle(s) of this/these substance(s) are inextricably bound within the polymer matrix. Therefore, we do not expect an exposure to this/these substance(s) during normal use of this product. Tooling or machining of the cured product (sanding, cutting, milling) may release hazardous, respirable substances.

**Appropriate Engineering Controls** Use only in well-ventilated areas.

**Individual protection measures, such as personal protective equipment**

**General information:** Wear suitable gloves and eye/face protection.

**Eye/face protection:** Safety glasses with side shields

**Skin Protection**

| | |
|---|---|
| **Hand Protection:** | Rubber or plastics gloves |
| **Other:** | Wear rubber boots. Chemical resistant clothing |
| **Respiratory Protection:** | Gas mask with organic vapor canister and dust and mist filter. 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). |
| **Hygiene measures:** | Avoid contact with eyes, skin, and clothing. Wash hands after handling. When using do not eat, drink or smoke. |

## 9. Physical and chemical properties

**Appearance**

| | |
|---|---|
| **Physical state:** | liquid |
| **Form:** | liquid |
| **Color:** | Black |
| **Odor:** | Faint |
| **Odor threshold:** | No data available. |
| **pH:** | No data available. |
| **Melting point/freezing point:** | Not applied |
| **Initial boiling point and boiling range:** | Not applied |
| **Flash Point:** | 178 °C |
| **Evaporation rate:** | No data available. |
| **Flammability (solid, gas):** | No data available. |
| **Upper/lower limit on flammability or explosive limits** | |
| **Flammability limit - upper (%):** | No data available. |
| **Flammability limit - lower (%):** | No data available. |
| **Explosive limit - upper (%):** | No data available. |
| **Explosive limit - lower (%):** | No data available. |
| **Heat of combustion:** | No data available. |
| **Vapor pressure:** | Not applied |
| **Vapor density:** | No data available. |
| **Density:** | ca. 1.04 g/cm3 |
| **Relative density:** | 1.04 |
| **Solubility(ies)** | |
| **Solubility in water:** | Insoluble |

| | |
|---|---|
| **Solubility (other):** | Insoluble |
| **Partition coefficient (n-octanol/water) Log Pow:** | No data available. |
| **Auto-ignition temperature:** | No data available. |
| **Decomposition temperature:** | No decomposition if stored and applied as directed. |
| **SADT:** | No data available. |
| **Viscosity, dynamic:** | No data available. |
| **Viscosity, kinematic:** | > 7 mm2/s (40 °C) |
| **VOC:** | No data available. |

## 10. Stability and reactivity

| | |
|---|---|
| **Reactivity:** | No data available. |
| **Chemical Stability:** | Stable |
| **Possibility of hazardous reactions:** | No data available. |
| **Conditions to avoid:** | No data available. |
| **Incompatible Materials:** | The catalysis of strong acids or bases cause polymerization or decomposition. |
| **Hazardous Decomposition Products:** | Reacts with water/moisture liberating Methylethylketoxime (MEKO) = 2-Butanone-oxime. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation. |

## 11. Toxicological information

**General information:** Our Experience shows that our Silicone Elastomer products can be handled without risk to health if used properly and if the usual precautions for industrial hygiene are observed.

**Information on likely routes of exposure**

| | |
|---|---|
| **Ingestion:** | No data available. |
| **Inhalation:** | No data available. |
| **Skin Contact:** | No data available. |
| **Eye contact:** | No data available. |

**Symptoms related to the physical, chemical and toxicological characteristics**

| | |
|---|---|
| **Ingestion:** | No data available. |

**Inhalation:** No data available.

**Skin Contact:** No data available.

**Eye contact:** No data available.

**Information on toxicological effects**

**Acute toxicity (list all possible routes of exposure)**

**Oral**

**Product:** No data available.Not classified for acute toxicity based on available data.

**Specified substance(s):**

| | |
|---|---|
| Silica, (1) Silica | LD 50 (Rat): > 15,000 mg/kg |
| Aminoethyl aminopropyl trimethoxy silane | LD 50 (Rat): 2,995 mg/kg |
| Octamethylcyclotetrasiloxane | LD 50 (Rat): 4,800 mg/kg<br>LD 50 (Mouse): 1,700 mg/kg |

**Dermal**

**Product:** No data available.Not classified for acute toxicity based on available data.

**Specified substance(s):**

| | |
|---|---|
| Aminoethyl aminopropyl trimethoxy silane | LD 50 (Rabbit): > 2,000 mg/kg |
| Octamethylcyclotetrasiloxane | LD 50 (Rat): 2,400 mg/kg |

**Inhalation**

**Product:** Not classified for acute toxicity based on available data.

**Specified substance(s):**

| | |
|---|---|
| Octamethylcyclotetrasiloxane | LC50 (Rat): 12.1 mg/l<br>LC50 (Rat): 36 mg/l |

**Repeated dose toxicity**

**Product:** No data available.

**Specified substance(s):**

| | |
|---|---|
| Aminoethyl aminopropyl trimethoxy silane | NOAEL (Rat, Oral, 28 d): >= 500 mg/kg |

**Skin Corrosion/Irritation**
**Product:** No data available.

**Serious Eye Damage/Eye Irritation**
**Product:** No data available.

**Respiratory or Skin Sensitization**
**Product:** No data available.

**Carcinogenicity**
**Product:** No data available.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

| | |
|---|---|
| Carbon Black | Overall evaluation: 2B. Possibly carcinogenic to humans. |

**US. National Toxicology Program (NTP) Report on Carcinogens:**
No carcinogenic components identified

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**
No carcinogenic components identified

**Germ Cell Mutagenicity**

**In vitro**
**Product:** No data available.

**Specified substance(s):**

| | |
|---|---|
| Octamethylcyclotetrasiloxane | Ames-Test (OECD-Guideline 471 (Genetic Toxicology: Salmonella typhimurium, Reverse Mutation Assay)): negative (not mutagenic)<br>Mouse Lymphoma Assay (OECD Guidline 476): negative (not mutagenic) |

**In vivo**
**Product:** No data available.

**Specified substance(s):**

| | |
|---|---|
| Octamethylcyclotetrasiloxane | Chromosomal aberration (OECD-Guideline 474 (Genetic Toxicology: Micronucleus Test)) Inhalation (Rat, male and female): negative |

**Reproductive toxicity**
**Product:** No data available.

**Specific Target Organ Toxicity - Single Exposure**
**Product:** No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Target Organs**

Specific Target Organ Toxicity - Repeated Exposure**:** Heart

**Aspiration Hazard**

**Product:** No data available.

**Other effects:**

Nasal epithelial tissue atrophy occurred at all dose levels tested, but was reversible at lower doses. SUPPLIER RECOMMENDED WORKPLACE GUIDELINE: 3 ppm 8-hr TWA, Short term exposure limit (STEL) <10 ppm Toxicity of methyl ethyl ketoxime (MEKO) liberated when the material is in touch with water or moisture in the air, or the material is curing. SKIN CONTACT: May cause mild skin irritation. EYE CONTACT: Causes severe eye irritation may damage tissue. ACUTE ORAL TOXICITY: LD50 = 4ml/kg (rat). ACUTE INHALATION: 4-hr LC50 = > 4.8mg/l (rat). INHALATION TOXICITY: Narcotic(central nervous system)effects in high concentrations.Effects were reversible when exposure was ended.Prolonged overexposure causes adverse effects on the blood. SKIN SENSITIVITY: Positive (guinea pig).No allergic reaction to humans.CARCINOGENICITY: A lifetime (about two years) inhalation study in male and female mice and rats revealed that liver tumors were observed in male mice and rats at a high exposure level of 375 ppm. OTHER LONG-TERM EXPOSURE TESTS: Atrophy of nasal epithelium cells was observed in both mice and rats at all concentrations.The effect appeared reversible at lower concentrations. PERMISSIBLE CONCENTRATION: TWA 3 ppm (supplier's recommended value), Keep well ventilated (STEL 10 ppm or less). The WEEL recommended value of AIHA is TWA 10 ppm.

Octamethylcyclotetrasiloxane (D4) Ingestion: Rodents given large doses via oral gavage of Octamethylcyclotetrasiloxane (1600mg/kg/day,14 days), developed increased liver weights relative to unexposed control animals due to hepatocellular hyperplasia (increased number of liver cells which appear normal) as well as hypertrophy (increased cell size). Inhalation: In inhalation studies, laboratory rodents exposed to Octamethylcyclotetrasiloxane (300 ppm five days/week, 90 days) developed increased liver weights in female animals relative to unexposed control animals. When the exposure was stopped, liver weights returned to normal. Microscopic examination of the liver cells did not show any evidence of pathology. This response in rats, which does not affect the animal's health, is well-documented and widely recognized. It is related to an increase of liver enzymes that metabolize and eliminate a material from the body. The increased liver weight reverses even while the D4 exposure continues. The finding is not adverse, but is considered a natural adaptive change in rats, and does not represent a hazard to humans. Inhalation studies utilizing laboratory rabbits and guinea pigs showed no effects on liver weights. Inhalation exposures typical of industrial usage (5-10 ppm) showed no toxic effects in rodents. Range finding reproductive studies were conducted (whole body inhalation, 70 days prior to mating, through mating, gestation and lactation), with D4. Rats were exposed to 70 and 700 ppm. In the 700 ppm group, there was a statistically significant reduction in mean litter size and in implantation sites. No D4 related clinical signs were observed in the pups and no exposure related pathological findings were found. A two-year, combined chronic/carcinogenicity study, during which rats were exposed to D4 by inhalation, data showed a statistically significant increase in a benign uterine tumor in female rats exposed at the highest level--a level much higher than the low levels that consumers or workers may encounter. An expert panel of independent scientists who have reviewed the results of this research concur that the finding seen in the two-year study occurred through a biological pathway that is specific to the rat and is not relevant to humans. Therefore, this observed effect does not indicate a potential health hazard to humans. In developmental toxicity studies, rats and rabbits were exposed to D4 at concentrations up to 700 ppm and 500 ppm, respectively. No teratogenic effects (birth defects) were observed in either study.

**Ingestion:** No data available.

**Inhalation:** No data available.

**Skin Contact:** No data available.

**Eye contact:** No data available.

**Oral**
No data available.

**Dermal**
No data available.

**Inhalation**
No data available.

**Repeated dose toxicity**
No data available.

**Skin Corrosion/Irritation**
No data available.

**Serious Eye Damage/Eye Irritation**
No data available.

**Respiratory or Skin Sensitization**
No data available.

**Carcinogenicity**
No data available.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**
No data available.

**US. National Toxicology Program (NTP) Report on Carcinogens:**

No data available.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**
No data available.

**Germ Cell Mutagenicity**
**In vitro**
No data available.

**Germ Cell Mutagenicity**
**In vivo**
No data available.

**Reproductive toxicity**
No data available.

**Specific Target Organ Toxicity - Single Exposure**
No data available.

**Specific Target Organ Toxicity - Single Exposure**
No data available.

**Target Organs**

**Aspiration Hazard**
No data available.

**Other effects**
No data available.

## 12. Ecological information

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

| | |
|---|---|
| **Product:** | No data available. |

**Specified substance(s):**

| | |
|---|---|
| Silica, (1) Silica | LC0 (Brachydanio rerio, 96 h): 5,000 mg/l |
| Aminoethyl aminopropyl trimethoxy silane | LC50 (Lepomis macrochirus): > 100 mg/l |

**Aquatic Invertebrates**

| | |
|---|---|
| **Product:** | No data available. |

**Specified substance(s):**

| | |
|---|---|
| Aminoethyl aminopropyl trimethoxy silane | EC50 (Daphnia magna, 48 h): 87.4 mg/l |

**Chronic hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Specified substance(s):**

| | |
|---|---|
| Silica, (1) Silica | LC0 (Brachydanio rerio, 4 d): 5,000 mg/l |

**Aquatic Invertebrates**

**Product:** No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Specified substance(s):**

| | |
|---|---|
| Aminoethyl aminopropyl trimethoxy silane | EC50 (Algae (Pseudokirchneriella subcapitata), 96 h): 8.8 mg/l<br>NOEC (Algae (Pseudokirchneriella subcapitata)): 3.1 mg/l |

**Persistence and Degradability**

**Biodegradation**

**Product:** No data available.

**Specified substance(s):**

| | |
|---|---|
| Octamethylcyclotetrasiloxane | 3.7 % (29 d, 310 Ready Biodegradability - $CO_2$ in Sealed Vessels (Headspace Test)) Not readily biodegradable. |

**BOD/COD Ratio**

**Product:** No data available.

**Bioaccumulative potential**

**Bioconcentration Factor (BCF)**

**Product:** No data available.

**Specified substance(s):**

| | |
|---|---|
| Octamethylcyclotetrasiloxane | Fathead Minnow, Bioconcentration Factor (BCF): 12.40 |

**Partition Coefficient n-octanol / water (log Kow)**

**Product:** No data available.

**Mobility in soil:** No data available.

**Known or predicted distribution to environmental compartments**

| | |
|---|---|
| Silica, (1) Silica | No data available. |
| Oxime silane | No data available. |
| butanone oxime vinylsilane | No data available. |
| Aminoethyl aminopropyl trimethoxy silane | No data available. |
| Carbon Black | No data available. |
| Tin and its compounds (22% as Tin) | No data available. |
| Octamethylcyclotetrasiloxane | No data available. |

**Other adverse effects:** No data available.

## 13. Disposal considerations

**Disposal instructions:** Disposal should be made in accordance with federal, state and local regulations.

**Contaminated Packaging:** Dispose of as unused product.

## 14. Transport information

**DOT**
Not regulated.

**IMDG**
Not regulated.

**IATA**
Not regulated.

**Special precautions for user:** This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.

## 15. Regulatory information

**US Federal Regulations**

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**
None present or none present in regulated quantities.

**CERCLA Hazardous Substance List (40 CFR 302.4):**

None present or none present in regulated quantities.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

Immediate (Acute) Health Hazards
Delayed (Chronic) Health Hazard

**SARA 302 Extremely Hazardous Substance**

None present or none present in regulated quantities.

**SARA 304 Emergency Release Notification**

None present or none present in regulated quantities.

**SARA 311/312 Hazardous Chemical**

| Chemical Identity | Threshold Planning Quantity |
|---|---|
| Silica, (1) Silica | 10000 lbs |
| Oxime silane | 10000 lbs |
| butanone oxime vinylsilane | 10000 lbs |
| Aminoethyl aminopropyl trimethoxy silane | 10000 lbs |
| Carbon Black | 10000 lbs |
| Tin and its compounds (22% as Tin) | 10000 lbs |
| Octamethylcyclotetrasiloxane | 10000 lbs |

**SARA 313 (TRI Reporting)**

None present or none present in regulated quantities.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

None present or none present in regulated quantities.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

None present or none present in regulated quantities.

**US State Regulations**

**US. California Proposition 65**

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

| | |
|---|---|
| Carbon Black | Carcinogenic. |

**US. New Jersey Worker and Community Right-to-Know Act**

| Chemical Identity |
|---|
| Siloxanes and Silicones, di-Me hydroxy terminated |

Silica, (1) Silica
Polydimethylsiloxane
Oxime silane
Siloxanes and Silicones, di-Me, polymers with Me silsesquioxanes, hydroxy-terminated
butanone oxime vinylsilane
Carbon Black
Aminoethyl aminopropyl trimethoxy silane
Tin and its compounds (22% as Tin)
Octamethylcyclotetrasiloxane

**US. Massachusetts RTK - Substance List**

No ingredient regulated by MA Right-to-Know Law present.

**US. Pennsylvania RTK - Hazardous Substances**

**Chemical Identity**
Silica, (1) Silica

**US. Rhode Island RTK**

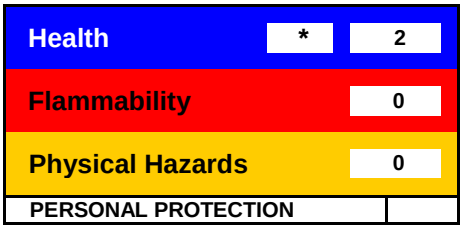
No ingredient regulated by RI Right-to-Know Law present.

**Inventory Status:**

| | | |
|---|---|---|
| Australia AICS: | y (positive listing) | Remarks: None. |
| EU EINECS List: | y (positive listing) | Remarks: None. |
| Japan (ENCS) List: | y (positive listing) | Remarks: None. |
| China Inventory of Existing Chemical Substances: | y (positive listing) | Remarks: None. |
| Korea Existing Chemicals Inv. (KECI): | y (positive listing) | Remarks: None. |
| Canada DSL Inventory List: | n (Negative listing) | Remarks: None. |
| Canada NDSL Inventory: | n (Negative listing) | Remarks: None. |
| Philippines PICCS: | y (positive listing) | Remarks: None. |
| US TSCA Inventory: | q (quantity restricted) | Remarks: Low Volume Exemption |
| Taiwan. Taiwan inventory (CSNN): | y (positive listing) | Remarks: None. |

## 16.Other information, including date of preparation or last revision

**HMIS Hazard ID**




Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect

**Issue Date:** 01/05/2017

**Revision Date:** No data available.

**Version #:** 2.0

**Further Information:** "Wear eye, hand and respiratory protection when in handling."

**Disclaimer:**

**Notice to reader**

Unless otherwise specified in section 1, Momentive products are intended for use in the manufacture and/or formulation of products and are not intended for direct consumer use. These products are not intended for long-lasting (> 30 days) implantation, injection or direct ingestion into the human body, nor for use in the manufacture of multiple use contraceptives.
"Wear eye, hand and respiratory protection when in handling."
Keep out of the reach of children.

**Further Information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.