# Safety Data Sheet



Revision Number: 001.1 Issue date: 03/11/2025

# 1. IDENTIFICATION

IDH number: 2813670 Product name: **GE Advanced Silicone Window and** 

**Door Projects** 

Joint sealant, silicone Product type/ Recommended use:

Restriction of Use: None identified

WARNING:

Region: **United States** Company address: Contact information:

Telephone: +1 (860) 571-5100 Henkel Corporation

One Henkel Way MEDICAL EMERGENCY Phone: Poison Control Center Rocky Hill, Connecticut 06067

1-877-671-4608 (toll free) or 1-303-592-1711 TRANSPORT EMERGENCY Phone: CHEMTREC 1-800-424-9300 (toll free) or 1-703-527-3887

Internet: www.henkelna.com

## HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW** H317 - MAY CAUSE AN ALLERGIC SKIN REACTION.

H361 - SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD

HAZARD CLASS	HAZARD CATEGORY
SKIN SENSITIZATION	1
REPRODUCTIVE TOXICITY	2





#### **Precautionary Statements**

P201 - Obtain special instructions before use. Prevention:

P202 - Do not handle until all safety precautions have been read and understood.

P261 - Avoid breathing dust or fumes.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 - Wear protective gloves, clothing, eye and face protection.

Response: P302+P352 - IF ON SKIN: Wash with plenty of water.

P308+P313 - IF exposed or concerned: Get medical attention. P333+P313 - If skin irritation or rash occurs: Get medical attention. P362+P364 - Take off contaminated clothing and wash it before reuse.

Storage: P405 - Store locked up.

Disposal: P501 - Dispose of contents and/or container according to Federal, State/Provincial and local

governmental regulations.

Other hazards Not available.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

#### See Section 11 for additional toxicological information.

#### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Weight %*
Silica, amorphous, fumed, crystal-free	112945-52-5	5 - 10
1,1,1,3,3,3-Hexamethyldisilazane	999-97-3	1 - 5
Trimethoxy(methyl)silane	1185-55-3	1 - 5
Carbon black	1333-86-4	0.1 - 1
octamethylcyclotetrasiloxane	556-67-2	0.1 - 1

<sup>\*</sup> Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

## 4. FIRST AID MEASURES

#### First Aid Measures by likely routes of exposure

Inhalation: If not breathing, give artificial respiration. If breathing is difficult, oxygen

should be administered by qualified personnel. Move to fresh air. If symptoms

persist, seek medical advice.

**Skin contact:** Wipe off with paper towel or cloth. Rinse with running water and soap.

Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. Thoroughly clean shoes before reuse. Seek medical attention

immediately.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15

minutes. Seek medical attention immediately.

**Ingestion:** DO NOT induce vomiting unless directed to do so by medical personnel.

Never give anything by mouth to an unconscious person. Seek medical

attention immediately.

Most important symptoms and effects (acute

and delayed):

The most important known symptoms and effects, both acute and delayed, are

described in Section 11: Toxicological Information.

Indication of any immediate medical attention /

special treatment needed:

Not available.

# 5. FIRE FIGHTING MEASURES

**Extinguishing media:** Foam, dry chemical or carbon dioxide.

Improper extinguishing agents: Not available.

Special firefighting procedures: Wear self-contained breathing apparatus and full protective clothing, such as

turn-out gear.

Unusual fire or explosion hazards: Closed containers may rupture (due to build up of pressure) when exposed to

extreme heat. In case of fire, keep containers cool with water spray.

**Hazardous combustion products:** Oxides of carbon. Oxides of silicon. Formaldehyde. Toxic and irritating vapors.

## 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

**Environmental precautions:** Do not allow product to enter sewer or waterways.

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Clean-up methods:

Ensure adequate ventilation. Wear appropriate personal protective equipment. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up spilled material and place in a closed container for disposal.

# 7. HANDLING AND STORAGE

Handling: Use only with adequate ventilation. Vapours should be extracted to avoid

inhalation. Avoid contact with eyes, skin and clothing. Do not wear contact lenses. Do not handle contact lenses until all sealant has been removed from hands. Residual sealant may transfer to lenses and cause eye irritation. Wash thoroughly after handling. See Section 8 of the SDS for Personal Protective

Equipment. Keep container closed.

Storage: Keep in a cool, well ventilated area away from heat, sparks and open flame.

Keep container tightly closed until ready for use.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Silica, amorphous, fumed, crystal-free	10 mg/m3 TWA Inhalable dust. 3 mg/m3 TWA Respirable fraction. 3 mg/m3 TWA Respirable particles. 10 mg/m3 TWA Inhalable particles.	20 MPPCF TWA 0.8 mg/m3 TWA 50 MPPCF TWA Total dust. 5 mg/m3 TWA Respirable fraction. 15 mg/m3 TWA Total dust. 15 MPPCF TWA Respirable fraction.	None	None
1,1,1,3,3,3-Hexamethyldisilazane	None	None	10 ppm TWA 50 ppm STEL	None
Carbon black	3 mg/m3 TWA Inhalable fraction.	3.5 mg/m3 PEL 5 mg/m3 TWA Respirable fraction. 50 MPPCF TWA Total dust. 15 MPPCF TWA Respirable fraction. 15 mg/m3 TWA Total dust.	None	None
octamethylcyclotetrasiloxane	None	None	10 ppm TWA	None

Engineering controls: Use local ventilation if general ventilation is insufficient to maintain vapor

concentration below established exposure limits.

**Respiratory protection:**Use NIOSH approved respirator if there is potential to exceed exposure

limit(s).

**Eye/face protection:** Safety goggles or safety glasses with side shields. Full face protection should

be used if the potential for splashing or spraying of product exists. Safety

showers and eye wash stations should be available.

**Skin protection:**Use chemical resistant, impermeable clothing including gloves and either an

apron or body suit to prevent skin contact.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:SolidColor:BlackOdor:AlcoholicOdor threshold:Not available.pH:Not applicableVapor pressure:Not applicableBoiling point/range:Not available.

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Melting point/ range: Not available.

Density/Relative density: 1.01

Relative vapor density:

Flash point:

Flammable/Explosive limits - lower:

Flammable/Explosive limits - upper:

Autoignition temperature:

Not available.

Not available.

Not available.

Flammability: Not classified as a flammability hazard

Evaporation rate:

Solubility:

Not available.

Not applicable

Partition coefficient n-octanol/water

Not available.

(logarithmic value):

VOC content: 3 %; 31 g/l (by weight, calculated using CARB method; g/L less water, less

exempts calculated using SCAQMD method)

Dynamic viscosity:Not available.Kinematic viscosity:Not available.Particle characteristics:Not applicableDecomposition temperature:Not available.

## 10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of storage and use.

**Hazardous reactions:** None under normal processing.

Hazardous decomposition

products:

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Oxides of carbon. Oxides of silicon. Formaldehyde. Ammonia. Methanol.

**Incompatible materials:** Acids and bases. Oxidizing agents. Amines.

Reactivity: Not available.

Conditions to avoid: Keep away from heat, ignition sources and incompatible materials. Protect from direct sunlight.

Exposure to moisture.

# 11. TOXICOLOGICAL INFORMATION

**Likely routes of exposure:** Skin, Inhalation, Eyes, Ingestion

#### **Potential Health Effects/Symptoms**

**Inhalation:** May cause respiratory tract irritation. When heated to temperatures exceeding 300° F (150° C)

in the presence of air, silicones may form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Vapors irritate the eyes, nose and

throat. Safe handling conditions may be maintained by keeping formaldehyde vapor

concentrations below the OSHA permissible limit.

Skin contact: Prolonged or repeated skin contact may cause skin irritation or allergic skin sensitization

reaction.

**Eye contact:** May cause eye irritation.

Ingestion: Not expected under normal conditions of use. May cause gastrointestinal tract irritation if

swallowed.

Hazardous Component(s)	LD50s and LC50s	
Silica, amorphous, fumed, crystal-free	None	
1,1,1,3,3,3-Hexamethyldisilazane	Oral LD50 (Rat) = 847 mg/kg Oral LD50 (Rabbit) = 1,100 mg/kg Oral LD50 (Mouse) = 850 mg/kg Inhalation LC50 (Rat, 4 h) = 8,700 mg/m3 Inhalation LC50 (Rat, 4 h) = 10.3 mg/l	
Trimethoxy(methyl)silane	Inhalation LC50 (Rat, 4 h) = > 26000 ppm	
Carbon black	Oral LD50 (Rat) = > 8,000 mg/kg	
octamethylcyclotetrasiloxane	Oral LD50 (Rat) = > 4,800 mg/kg  Dermal LD50 (Rat) = > 2,000 mg/kg  Dermal LD50 (Rabbit) = > 4,640 mg/kg  Inhalation LC50 (Rat, 4 h) = 36 mg/l	

Hazardous Component(s)	Immediate Health Effects	Delayed Health Effects	Chronic Health Effects
Silica, amorphous, fumed, crystal-free	Nuisance dust		
1,1,1,3,3,3-Hexamethyldisilazane	Irritant		
Trimethoxy(methyl)silane	Irritant	Allergen	
Carbon black			Respiratory Some evidence of carcinogenicity
octamethylcyclotetrasiloxane	Irritant		

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Silica, amorphous, fumed, crystal-free	No	No	No
1,1,1,3,3,3-Hexamethyldisilazane	No	No	No
Trimethoxy(methyl)silane	No	No	No
Carbon black	Known To Be Human Carcinogen.	Group 2B	No
octamethylcyclotetrasiloxane	No	No	No

# 12. ECOLOGICAL INFORMATION

Ecological information: Not available.

# 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Follow all local, state, federal and provincial regulations for disposal.

## 14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any packaging.

#### U.S. Department of Transportation Ground (49 CFR)

Proper shipping name:Not regulatedHazard class or division:NoneIdentification number:NonePacking group:None

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International Air Transportation (ICAO/IATA)

Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (octamethylcyclotetrasiloxane)

Hazard class or division: Identification number: **UN 3077** 

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Packing group:

Water Transportation (IMO/IMDG)

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

(octamethylcyclotetrasiloxane)

Hazard class or division: Identification number: **UN 3077** 

Packing group: Ш

Marine pollutant: octamethylcyclotetrasiloxane

#### REGULATORY INFORMATION

**United States Regulatory Information** 

TSCA 12 (b) Export Notification:

TSCA 8 (b) Inventory Status: All components are listed as active or are exempt from listing on the Toxic Substances

> Control Act (TSCA) inventory. None above reporting de minimis

CERCLA/SARA Section 302 EHS: None above reporting de minimis.

CERCLA/SARA Section 311/312: Please refer to the GHS classification in Section 2

**CERCLA/SARA Section 313:** None above reporting de minimis.

California Proposition 65: This product contains a chemical known to the State of California to cause birth defects or

other reproductive harm.

**Canada Regulatory Information** 

IDH number: 2813670

**CEPA DSL/NDSL Status:** All components are listed on or are exempt from listing on the Canadian Domestic

Substances List

## 16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: Reviewed SDS. Reissued with new date.

Prepared by: Product Safety and Regulatory Affairs

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