

SECTION 1: Identification

1.1. Identification

Product form : Mixture
 Trade name : Silicone Window and Door Clear 10.1 fl oz
 Product code : 78072720016-6

1.2. Recommended use and restrictions on use

Recommended use : Silicone sealant recommended for sealing

1.3. Supplier

Saint-Gobain Abrasives, Inc.
 1 New Bond Street
 Worcester, MA 01615
 - United States of America (USA)
 T 800-551-4413
www.Nortonabrasives.com

1.4. Emergency telephone number

Emergency number : 508-795-5000
 CHEMTREC: For emergencies in the US and Canada
 call: 800-424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Skin corrosion/irritation Category 1B	H314 Causes severe skin burns and eye damage
Serious eye damage/eye irritation Category 1	H318 Causes serious eye damage
Specific target organ toxicity (repeated exposure) Category 2	H373 May cause damage to organs through prolonged or repeated exposure (oral, Inhalation, Dermal)

Full text of H statements: see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

H314 - Causes severe skin burns and eye damage
 H318 - Causes serious eye damage
 H373 - May cause damage to organs through prolonged or repeated exposure (oral, Inhalation, Dermal)

Precautionary statements (GHS US) :

P102 - Keep out of reach of children.
 P202 - Do not handle until all safety precautions have been read and understood.
 P260 - Do not breathe vapors, gas.
 P264 - Wash hands thoroughly after handling.
 P280 - Wear protective gloves, face protection, eye protection.
 P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting.
 P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 - Immediately call a POISON CENTER, a doctor.
 P314 - Get medical advice/attention if you feel unwell.
 P363 - Wash contaminated clothing before reuse.
 P405 - Store locked up.
 P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
 P410+P403 - Protect from sunlight. Store in a well-ventilated place.

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2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Methyltriethoxysilane	(CAS-No.) 4253-34-3	3 - 8	Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT RE 2, H373

Full text of hazard classes and H-statements: see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

- First-aid measures general : If medical advice is needed, have product container or label at hand.
- First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
- First-aid measures after skin contact : Wash skin with plenty of water.
- First-aid measures after eye contact : 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.
- First-aid measures after ingestion : If swallowed, seek medical advice immediately and show this container or label.

4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects after inhalation : May cause respiratory irritation.
- Symptoms/effects after skin contact : May cause an allergic skin reaction.
- Symptoms/effects after eye contact : May cause eye irritation.
- Symptoms/effects after ingestion : No data available.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂).
- Unsuitable extinguishing media : High pressure water jet.

5.2. Specific hazards arising from the chemical

- Fire hazard : In case of fire, carbon monoxide (CO), carbon dioxide (CO₂) and nitric oxides (NO_x) can be released.
- Explosion hazard : No available data.
- Reactivity in case of fire : No data available.

5.3. Special protective equipment and precautions for fire-fighters

- Precautionary measures fire : Use necessary protective equipment to avoid the risk of contact with hands, skin, eyes and respiratory tract.
- Firefighting instructions : In case of fire: Stop leak if safe to do so. Fight fire with normal precautions from a reasonable distance.
- Protection during firefighting : Wear respiratory protection. Wear masks with self-contained respirators.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Use necessary protective equipment to avoid the risk of contact with hands, skin, eyes and respiratory tract.
- Emergency procedures : In case of spillage or leakage in large quantities, isolate the area.

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6.1.2. For emergency responders

- Protective equipment : Use self-contained breathing apparatus and chemically protective clothing.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Absorb spilled material with sand or earth. Contain any spills with barriers or absorbents in order to avoid their transposition and entry into pipes and sewers.
Methods for cleaning up : Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation in the workplace. Avoid contact with skin and eyes.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Keep only in original packaging.
Storage conditions : Store in dry protected location to prevent any moisture contact. Protect from sunlight. Store in a well-ventilated place.
Incompatible products : No data available.
Incompatible materials : No data available.
Storage temperature : 5 - 25 °C Store in a cool place away from direct sunlight. Do not reuse containers.
Storage area : Store in a well-ventilated place.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Silicone Window and Door Clear 10.1 fl oz	
USA - ACGIH - Occupational Exposure Limits	
Local name	Acetic acid
ACGIH TWA (ppm)	10 ppm
ACGIH STEL (ppm)	15 ppm
Remark (ACGIH)	TLV® Basis: URT & eye irr; pulm func
Regulatory reference	ACGIH 2019
USA - OSHA - Occupational Exposure Limits	
Local name	Acetic acid
OSHA PEL (TWA) (mg/m ³)	25 mg/m ³
OSHA PEL (TWA) (ppm)	10 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
Methyltriethoxysilane (4253-34-3)	
No additional information available	

8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the workstation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Use the recommended personal protective equipment.

Hand protection:

PVC protective gloves.

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Eye protection:

Wear safety glasses which protect from splashes

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Paste.
Color	: Clear
Odor	: Unpleasant Characteristic of pungent acetic acid (vinegar)
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: ≥ 90 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Specific gravity / density	: 1.03 g/ml
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

VOC content	: Less than 3.15% (w/w)
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SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

None under normal use.

10.4. Conditions to avoid

Water, humidity.

10.5. Incompatible materials

Strong oxidizers can cause a reaction. When exposed to water and moisture, the product can cure and release vapors of acetic acid.

10.6. Hazardous decomposition products

Toxic fumes may arise when incinerated, carbon monoxide (CO) and carbon dioxide (CO₂).

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Methyltriethoxysilane (4253-34-3)	
LD50 oral rat	2060 mg/kg (Rat, Literature, Oral)
ATE US (oral)	2060 mg/kg body weight

Skin corrosion/irritation	: Causes severe skin burns and eye damage.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure (oral, Inhalation, Dermal).

Methyltriethoxysilane (4253-34-3)	
NOAEL (oral, rat, 90 days)	50 mg/kg body weight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other: USEPA OPPTS 870.3650
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: May cause eye irritation.
Symptoms/effects after ingestion	: No data available.

SECTION 12: Ecological information

12.1. Toxicity

Methyltriethoxysilane (4253-34-3)	
LC50 fish 1	> 500 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 Daphnia 1	> 500 mg/l Test organisms (species): Daphnia magna

12.2. Persistence and degradability

Methyltriethoxysilane (4253-34-3)	
Persistence and degradability	Biodegradability in water: no data available.

12.3. Bioaccumulative potential

Methyltriethoxysilane (4253-34-3)	
Log Pow	0.25 (Estimated value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

12.4. Mobility in soil

Methyltriethoxysilane (4253-34-3)	
Surface tension	Data waiving

12.5. Other adverse effects

No additional information available

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SECTION 13: Disposal considerations

13.1. Disposal methods

- Regional legislation (waste) : Disposal must be done according to official regulations.
Sewage disposal recommendations : Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Avoid release to the environment. Refer to manufacturer/supplier for information on recovery/recycling.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not applicable

Transportation of Dangerous Goods

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Methyltriethoxysilane (4253-34-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

Methyltriethoxysilane (4253-34-3)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

- Data sources : Classification according to Classification, Labelling and Packaging of Substances and Mixtures (SEA) Regulation published in the Official Journal numbered 28848 on December 11, 2013.

Full text of H-phrases:

H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H373	May cause damage to organs through prolonged or repeated exposure

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.