

Finotech ®6000 One-component Structural Glazing Silicone Sealant

Safety Data Sheet

according to the United Nations GHS (Rev. 7, 2017)

Issue date: 19/06/2020

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Version: 1.0

SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture

Trade name : Finotech ®6000 One-component Structural Glazing Silicone Sealant

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

seal and adhesion of building materials

1.4. Supplier's details

Manufacturer

Hangzhou Zhijiang Silicone Chemicals Co., Ltd

No. 1717, Century Avenue, Linjiang Industry Park, Hangzhou, Zhejiang, China

311228

T 0086-0571-82760993 - F 0086-0571-82760993

john.zhao@chinazhijiang.com - www.chinazhijiang.com

1.5. Emergency phone number

Emergency number : 0086-0571-82760993

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

Serious eye damage/eye irritation, Category 2 H319

Skin sensitisation, Category 1 H317

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects : May cause an allergic skin reaction, Causes serious eye irritation.

2.2. GHS Label elements, including precautionary statements

Labelling according to the United Nations GHS

Hazard pictograms (GHS UN) :



GHS07

Signal word (GHS UN) : Warning

Hazard statements (GHS UN) : H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation

Precautionary statements (GHS UN) : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash hands, forearms and face thoroughly after work.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 - IF ON SKIN: Wash with plenty of water
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 - Specific treatment (see on this label).
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P501 - Dispose of contents/containers to hazardous, special waste collection points as required by local, regional, national, and international regulations.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

Name	Product identifier	%
Poly[oxy(dimethylsilylene)]	(CAS-No.) 9016-00-6	40 – 55
Carbonic acid, calcium salt (1:1)	(CAS-No.) 471-34-1	45 – 55
Dimethyl silicone	(CAS-No.) 9006-65-9	0 – 15
Silica, amorphous, fumed, crystalline-free	(CAS-No.) 112945-52-5	0 – 10
2-Butanone, O,O',O''-(ethenylsilyldyne)trioxime	(CAS-No.) 2224-33-1	0 – 2
2-Butanone, O,O',O''-(methylsilyldyne)trioxime	(CAS-No.) 22984-54-9	0.5 – 2
Glycidoxypropyltrimethoxysilane	(CAS-No.) 2530-83-8	0.1 – 1
1-Propanamine, 3-(triethoxysilyl)-	(CAS-No.) 919-30-2	0.1 – 1
Dibutyltin dilaurate	(CAS-No.) 77-58-7	0.05 – 0.2

Full text of H-statements: see section 16

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : 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 : Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

- Symptoms/effects after skin contact : May cause an allergic skin reaction.
- Symptoms/effects after eye contact : Eye irritation.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.
- Unsuitable extinguishing media : No information available

5.2. Specific hazards arising from the chemical

- Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective actions for fire-fighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

- Methods for cleaning up : Take up liquid spill into absorbent material.

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Other information : Dispose of materials or solid residues at an authorized site.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.

Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. 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

Storage conditions : Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection : Protective gloves

Eye protection : Safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s)



8.4. Exposure limit values for the other components

No additional information available

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state : Paste

Colour : Not available

Odour : No irritating smell

Odour threshold : Not available

Melting point : Not applicable

Freezing point : Not available

Boiling point : Not available

Flammability (solid, gas) : Not applicable

Explosive limits : Not available

Lower explosive limit (LEL) : Not available

Upper explosive limit (UEL) : Not available

Flash point : Not available

Auto-ignition temperature : Not available

Decomposition temperature : Not available

pH : Not available

pH solution : Not available

Viscosity, kinematic (calculated value) (40 °C) : Not available

Partition coefficient n-octanol/water (Log Kow) : Not available

Vapour pressure : Not available

Vapour pressure at 50 °C : Not available

Density : 1.45

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Relative density	: Not available
Relative vapour density at 20 °C	: Not available
Solubility	: Not available
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle specific surface area	: Not applicable

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

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.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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

Carbonic acid, calcium salt (1:1) (471-34-1)

LD50 oral rat	6450 mg/kg
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Dimethyl silicone (9006-65-9)

LD50 dermal rat	> 2008 mg/kg
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Silica, amorphous, fumed, crystalline-free (112945-52-5)

LD50 oral rat	3160 mg/kg
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1-Propanamine, 3-(triethoxysilyl)- (919-30-2)

LD50 oral rat	1780 mg/kg
LD50 dermal rabbit	4290 mg/kg
LC50 inhalation rat (mg/l)	> 7.35 mg/l/4h

Glycidoxypopyltrimethoxysilane (2530-83-8)

LD50 oral rat	7.01 g/kg
LC50 inhalation rat (mg/l)	> 5.3 mg/l/4h

Dibutyltin dilaurate (77-58-7)

LD50 oral rat	45 mg/kg
LD50 dermal rabbit	630 mg/kg

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified

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Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

12.2. Persistence and degradability

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Persistence and degradability	No additional information available
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12.3. Bioaccumulative potential

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Bioaccumulative potential	No additional information available
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12.4. Mobility in soil

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Mobility in soil	No additional information available
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12.5. Other adverse effects

Ozone	: Not classified
Other adverse effects	: No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information	: Consult local, state, federal, international or country specific regulations as appropriate.

SECTION 14: Transport information

In accordance with IMDG / IATA / UN RTDG

UN RTDG	IMDG	IATA
14.1. UN number		
Not regulated for transport		
14.2. UN Proper Shipping Name		
Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)		
Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable

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14.4. Packing group

Not applicable	Not applicable	Not applicable
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14.5. Environmental hazards

Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No
No supplementary information available		

14.6. Special precautions for user

- UN RTDG

No data available

- IMDG

No data available

- IATA

No data available

14.7. Transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

US Federal regulations

Carbonic acid, calcium salt (1:1) (471-34-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
2-Butanone, O,O',O''-(methylsilylidyne)trioxime (22984-54-9)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
2-Butanone, O,O',O''-(ethenylsilylidyne)trioxime (2224-33-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
1-Propanamine, 3-(triethoxysilyl)- (919-30-2)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Glycidoxypropyltrimethoxysilane (2530-83-8)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Dibutyltin dilaurate (77-58-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

CANADA

Poly[oxy(dimethylsilylene)] (9016-00-6)
Listed on the Canadian DSL (Domestic Substances List)
Carbonic acid, calcium salt (1:1) (471-34-1)
Listed on the Canadian DSL (Domestic Substances List)
Dimethyl silicone (9006-65-9)
Listed on the Canadian DSL (Domestic Substances List)
Silica, amorphous, fumed, crystalline-free (112945-52-5)
Listed on the Canadian DSL (Domestic Substances List)
2-Butanone, O,O',O''-(methylsilylidyne)trioxime (22984-54-9)
Listed on the Canadian DSL (Domestic Substances List)
2-Butanone, O,O',O''-(ethenylsilylidyne)trioxime (2224-33-1)
Listed on the Canadian DSL (Domestic Substances List)
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EU-Regulations

Carbonic acid, calcium salt (1:1) (471-34-1)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
2-Butanone, O,O',O''-(methylsilylidyne)trioxime (22984-54-9)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
2-Butanone, O,O',O''-(ethenylsilylidyne)trioxime (2224-33-1)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
1-Propanamine, 3-(triethoxysilyl)- (919-30-2)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Glycidoxypropyltrimethoxysilane (2530-83-8)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Dibutyltin dilaurate (77-58-7)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

SECTION 16: Other information

Version	: 1.0
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Abbreviations and acronyms	: RID - Regulations concerning the International Carriage of Dangerous Goods by Rail N.O.S. - Not Otherwise Specified ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road BCF - Bioconcentration factor EC50 - Median effective concentration IATA - International Air Transport Association IMDG - International Maritime Dangerous Goods LC50 - Median lethal concentration LD50 - Median lethal dose
Training advice	: Normal use of this product shall imply use in accordance with the instructions on the packaging.

Full text of H-statements:	
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation

SDS UN

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.