



Ceramic Sealant

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard
Issue date: 4/11/2023 Revision date: 4/11/2023 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : Ceramic Sealant
Synonyms : Gun sealant / Ceramic sealant

1.2. Recommended use and restrictions on use

Recommended use : Sealants
Restrictions on use : None known

1.3. Supplier

Flitz International LTD
821 Mohr Ave. Waterford, WI. 53185
USA
T (262) 534-5898
info@flitz.com

1.4. Emergency telephone number

Emergency number : 1 (800) 222-1222 (U.S.)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Skin corrosion/irritation Category 2	H315	Causes skin irritation
Eye irritation Category 2A	H319	Causes serious eye irritation
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) : Warning

Hazard statements (GHS US) : H315 - Causes skin irritation
H319 - Causes serious eye irritation

Precautionary statements (GHS US) : P264 - Wash hands thoroughly after handling.
P280 - Wear protective gloves, eye protection.
P302+P352 - If on skin: Wash with plenty of water.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice/attention.

2.3. Other hazards which do not result in classification

No additional information available

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2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Aminomodified Polydimethylsiloxane	CAS-No.: 75718-16-0	10 – 20
2-Butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve	CAS-No.: 111-76-2	1 - 15
Ethanol	CAS-No.: 64-17-5	1 – 10

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

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	: First aider: Pay attention to self-protection!.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms occur.
First-aid measures after skin contact	: Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing.
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	: Rinse mouth out with water. If you feel unwell, seek medical advice.

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

Symptoms/effects	: May cause minor irritation to the respiratory tract and to other mucous membranes. Causes serious eye irritation. Causes skin irritation. Ingestion may cause nausea, vomiting and diarrhea. Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination.
Inhalation	: May cause minor irritation to the respiratory tract and to other mucous membranes.
Skin	: Causes skin irritation.
Eyes	: Causes serious eye irritation.
Ingestion	: Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination. Ingestion may cause nausea, vomiting and diarrhea.
Chronic symptoms	: No chronic health hazards are likely for this material.

4.3. Immediate medical attention and special treatment, if necessary

None under normal conditions. Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Alcohol-resistant foam. Carbon dioxide.
Unsuitable extinguishing media	: Not determined.

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5.2. Specific hazards arising from the chemical

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| Fire hazard | : Not classified. Could burn but does not ignite readily. |
| Explosion hazard | : Product is not explosive. |
| Hazardous decomposition products in case of fire | : Toxic vapors may be released. Carbon oxides (CO, CO ₂). |

5.3. Special protective equipment and precautions for fire-fighters

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| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. On heating, there is a risk of bursting due to internal pressure build-up. Cool down the containers exposed to heat with a water spray. |
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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| General measures | : Ventilate area. Wear suitable protective clothing. Do not touch or walk on the spilled product. Stop leak if safe to do so. Keep unnecessary and unprotected personnel away from the spillage. No open flames. No smoking. |
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6.1.1. For non-emergency personnel

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| Emergency procedures | : Ventilate spillage area. Avoid breathing mist, spray. Avoid contact with skin, eyes and clothing. |
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6.1.2. For emergency responders

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

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

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| For containment | : Absorb with an inert material and place in an appropriate waste disposal container. |
| Methods for cleaning up | : Ventilate area. Take up liquid spill into absorbent material. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). Wash contaminated area with large amounts of water. Use personal protective equipment as required. |
| Other information | : Dispose of materials or solid residues at an authorized site. |

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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| Precautions for safe handling | : Ensure adequate ventilation. Avoid breathing spray, mist. Avoid contact with eyes, skin and clothing. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety procedures. |
| Hygiene measures | : 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

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| Storage conditions | : Store in a well-ventilated place. Keep cool. |
| Incompatible materials | : Store away from strong oxidizers, strong bases, strong acids. |

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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No additional information available

Aminomodified Polydimethylsiloxane (75718-16-0)

No additional information available

2-Butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)

USA - ACGIH - Occupational Exposure Limits

Local name	2-Butoxyethanol (EGBE)
ACGIH OEL TWA [ppm]	20 ppm

USA - ACGIH - Biological Exposure Indices

Local name	2- BUTOXYETHANOL
BEI (BLV)	200 mg/g Kreatinin Parameter: Butoxyacetic acid (BAA) (with hydrolysis) - Medium: urine - Sampling time: End of shift

USA - OSHA - Occupational Exposure Limits

Local name	2-Butoxyethanol
OSHA PEL (TWA)	240 mg/m ³
OSHA PEL (TWA)	50 ppm

Ethanol (64-17-5)

USA - ACGIH - Occupational Exposure Limits

Local name	Ethanol
ACGIH OEL STEL [ppm]	1000 ppm

USA - OSHA - Occupational Exposure Limits

Local name	Ethyl alcohol (Ethanol)
OSHA PEL (TWA)	1900 mg/m ³
OSHA PEL (TWA)	1000 ppm

8.2. Appropriate engineering controls

Appropriate engineering controls	: Ensure adequate ventilation. Do not exceed the occupational exposure limits (OEL).
Environmental exposure controls	: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Materials for protective clothing:

Wear suitable protective clothing

Hand protection:

Wear impervious gloves.

Eye protection:

Use suitable eye protection

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Skin and body protection:

None under normal conditions

Respiratory protection:

In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

Thermal hazard protection:

Not applicable.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: White. Liquid.
Color	: White
Odor	: Faint
Odor threshold	: No data available
pH	: 6.5 – 7.5
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: 100 °C
Flash point	: > 100 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: 0.95 – 1.05
Solubility	: Soluble in water. Water: 100 %
Partition coefficient n-octanol/water (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	: Product is not explosive.
Oxidizing properties	: Not oxidising.

9.2. Other information

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.

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10.4. Conditions to avoid

High temperature. Open flame. Incompatible materials.

10.5. Incompatible materials

Keep away from oxidizers, strong acids and strong bases.

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

2-Butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)

LD50 oral rat	1746 mg/kg
LD50 oral	1414 mg/kg
LD50 dermal rat	> 2000 mg/kg

Ethanol (64-17-5)

LD50 oral rat	15010 mg/kg body weight
LD50 oral	8300 mg/kg body weight
LC50 Inhalation - Rat (Vapours)	≈ 116.9 mg/l/4h

Skin corrosion/irritation : Causes skin irritation.
pH: 6.5 – 7.5

Serious eye damage/irritation : Causes serious eye irritation.
pH: 6.5 – 7.5

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified (This product does not contain any component that is considered a carcinogen by IARC, ACGIH, OSHA or NTP.)

2-Butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)

IARC group	3 - Not classifiable
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Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Viscosity, kinematic : No data available

Symptoms/effects : May cause minor irritation to the respiratory tract and to other mucous membranes. Causes serious eye irritation. Causes skin irritation. Ingestion may cause nausea, vomiting and diarrhea. Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination.

Inhalation : May cause minor irritation to the respiratory tract and to other mucous membranes.

Skin : Causes skin irritation.

Eyes : Causes serious eye irritation.

Ingestion : Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination. Ingestion may cause nausea, vomiting and diarrhea.

Chronic symptoms : No chronic health hazards are likely for this material.

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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

2-Butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)

LC50 - Fish [1]	1474 mg/l Oncorhynchus mykiss (Rainbow trout)
EC50 - Crustacea [1]	≈ 1800 mg/l Daphnia magna (Water flea)
EC50 72h - Algae [1]	911 mg/l Pseudokirchneriella subcapitata
EC50 72h - Algae [2]	1840 mg/l Pseudokirchneriella subcapitata
NOEC (chronic)	100 mg/l Daphnia magna (Water flea)
NOEC chronic fish	> 100 mg/l Danio rerio (Zebrafish)

Ethanol (64-17-5)

LC50 - Fish [1]	14.2 g/l Pimephales promelas (Fathead minnow)
EC50 - Crustacea [1]	> 100 mg/l
NOEC (chronic)	9.6 mg/l Daphnia magna (Water flea)

12.2. Persistence and degradability

Ethanol (64-17-5)

Persistence and degradability	Readily biodegradable.
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12.3. Bioaccumulative potential

Ethanol (64-17-5)

Bioaccumulative potential	Low bioaccumulation potential.
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12.4. Mobility in soil

No additional information available

12.5. 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.
Product/Packaging disposal recommendations : Dispose of in accordance with applicable federal, state, and local regulations.

SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

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DOT	IMDG	IATA
14.1. UN number		
Not regulated for transport		
14.2. Proper Shipping Name		
Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)		
Not applicable	Not applicable	Not applicable
14.4. Packing group		
Not applicable	Not applicable	Not applicable
14.5. Environmental hazards		
Not applicable	Not applicable	Not applicable
No supplementary information available		

14.6. Special precautions for user

DOT

No data available

IMDG

No data available

IATA

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Ceramic Sealant 4:1

SARA Section 311/312 Hazard Classes

Refer to Section 2 for OSHA Hazard Classification.

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

2-Butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve

CAS-No. 111-76-2

1 - 15%

15.2. International regulations

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All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

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Ethanol (64-17-5)

Listed on IARC (International Agency for Research on Cancer)

15.3. US State regulations



WARNING:

This product can expose you to Ethylene glycol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

According to 29CFR 1910.1200 OSHA Hazard Communication Standard

Revision date : 4/11/2023

Full text of H-phrases

H315	Causes skin irritation
H319	Causes serious eye irritation

Indication of changes:

new version.

Safety Data Sheet (SDS), USA

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.