



SILK

Safety Data Sheet

Revision Date: 12/12/2022

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier

Trade Name SILK
Product Form Mixture
Product Code 10-50122

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of Product Ceramic Sealant

1.3 Details of the Supplier of the safety data sheet

ChemQuest Inc.
21365 Hamburg Ave.
Lakeville, MN 55024
(877)437-3478
infocq@chemquestinc.com

1.4 Emergency telephone number

Emergency Number ChemTrec 1-800-424-9300

SECTION 2: Hazards Identification

2.1 Classification of the substance

Classification

<u>Hazard Code</u>	<u>Hazard Class</u>	<u>Hazard Category</u>
H315	Skin corrosion/irritation	2
H317	Sensitization, skin	1
H318	Serious eye damage/eye irritation	1
H402	Hazardous to the aquatic environment, acute toxicity	3
H412	Hazardous to the aquatic environment, chronic toxicity	3

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFEETY PRACTICES

2.2 Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US): **Danger**

Hazard Statements (GHS-US):

H315: Causes skin irritation
H317: May cause allergic skin reaction
H318: Causes serious eye damage
H402: Harmful to aquatic life
H412: Harmful to aquatic life with long lasting effects

Precautionary Statements (GHS-US):

P261: Avoid breathing dust/fumes/gas/mist/spray
P264: Wash thoroughly after handling
P272: Contaminated work clothing should not be allowed out of the workplace
P273: Avoid release into the environment
P280: Wear protective gloves/protective clothing/eye protection/face protection
P310: Immediately call a POISON CENTER or doctor/physician

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P321: Specific treatment (see section 4)

P362: Take off contaminated clothing and wash before reuse

P302+P352: IF ON SKIN: Wash with soap and 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

P333+P313: If skin irritation or a rash occurs: Get medical advice/attention

P501: Dispose of contents/container in accordance with local, state, and federal authorities.

2.3 Other Hazards

No additional information available

2.4 Unknown acute toxicity (GHS-US)

No Data Available

SECTION 3: Composition/Information on Ingredients

3.1 Substance

Not applicable

3.2 Mixture

Ingredient Name	CAS #	Composition
Water	7732-18-5	50-75%
Silicone Quaternary Mixture	Proprietary	10-20%
Propylene Glycol	57-55-6	5-10%
2-butoxyethanol	111-76-2	5-10%
Nonylphenol, ethoxylated	127087-87-0	1-5%
1-butoxy-2-propanol	5131-66-8	1-5%
Cocoamidopropyl Betaine	70851-07-9	1-5%
Benzyl Benzoate	120-51-4	1-5%

SECTION 4: First Aid Measures

4.1 Description of first aid measures

First-Aid measures general	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-Aid after inhalation	IF INHALED. Use artificial respiration and oxygen if needed. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If irritation persists, seek medical attention.
First-Aid after skin contact	IF ON SKIN. Wash with soap and water. Immediately rinse with plenty of water (for at least 15 minutes).
First-Aid after eye contact	IF IN EYES. Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Immediately call a POISON CENTER or doctor/physician. Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). If irritation persists, seek medical attention.
First-Aid after ingestion	IF SWALLOWED. Rinse mouth. Do NOT induce vomiting. Dilute stomach contents by drinking water. If vomiting occurs spontaneously, keep head below hips to prevent breathing vomit into lungs. Call physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries	Causes skin irritation. May cause allergic skin reaction. Causes serious eye damage.
Symptoms/injuries after inhalation	May cause headache, nausea, and irritation of respiratory tract.
Symptoms/injuries after skin contact	Causes skin irritation. May cause allergic skin reaction.
Symptoms/injuries after eye contact	Causes serious eye damage.
Symptoms/injuries after ingestion	May cause gastrointestinal irritation, nausea, vomiting, and diarrhea if swallowed.
Chronic symptoms	No data available.

4.3 Indication of immediate medical attention and special treatment needed

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No additional information available

SECTION 5: Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray.

5.2 Special hazards arising from the substance or mixture

Fire Hazard The product is not flammable.
Explosion Hazard The product is not explosive.
Reactivity The product is not reactive under normal conditions.

5.3 Special hazards arising from the substance or mixture

Firefighting instructions Do not dispose of fire-fighting water in the environment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.
Protection during firefighting Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment, and emergency procedures

General measures Ventilate area. Avoid breathing vapors, mist, or gas. Spill should be handled by trained clean-up crews. For personal protection see Section 8.

6.1.1 For non-emergency personnel

Protective equipment Wear Protective equipment as described in Section 8.
Emergency procedures Contain the spill. Do not let product enter drains. Remove unnecessary personnel.

6.1.2 For emergency responders

Protective equipment Wear Protective equipment as described in Section 8.

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

For containment Prevent entry to sewers and public waters. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

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 Do not handle until all safety precautions have been read and understood. Wear proper safety equipment including chemically resistant gloves and safety glasses or goggles. Use with adequate ventilation. Wash thoroughly after handling. Do not get in eyes. Avoid prolonged or repeated contact with skin. Do not breathe mist or vapor. Do not swallow. Store between 50 F & 100 F.

7.2 Conditions for safe storage, including and incompatibilities

Storage conditions Store in approved containers only. Keep container in a cool, well-ventilated place away from heat sources and incompatible materials (See Section 10.5). Keep container tightly closed.

7.3 Specific end uses

No additional information

SECTION 8: Exposure Controls/Personal Protection

8.1 Control parameters

No OSHA and ACGIH PEL's or TLV's for the listed ingredients of this product unless listed stated below:

2-Butoxyethanol, CAS # 111-76-2

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OSHA PEL (TWA)	OSHA PEL (STEL)	OSHA PEL (Ceiling)	ACGIH-TLV
50 ppm	Not Established	Not Established	20 ppm (TWA)

8.2 Exposure Controls

Personal protective equipment	Chemical resistant gloves. Protective clothing. Safety glasses or goggles
Hand protection	Chemical resistant gloves.
Eye protection	Safety glasses or goggles.
Skin and body protection	Wear suitable protective clothing.
Respiratory protection	If ventilation does not keep levels below regulatory exposure limits, use approved respiratory protection.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	Tinted Liquid
Color	Pink
Odor	Luxury
Odor threshold	No data available
pH	7.5
Relative Evaporation rate (butyl)	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Self-ignition point	No data available
Decomposition temperature	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	1.008 g/ml
Solubility	Water soluble
Log Pow	No data available
Log Kow	No data available
Viscosity: Kinematic	No data available
Viscosity: dynamic	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Explosive Limits	No data available

9.2 Exposure Controls

No additional information available

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known under normal conditions of use.

10.2 Chemical Stability

Stable under recommended handling and storage conditions (see section 7).

10.3 Possibility of hazardous reactions

None Known

10.4 Conditions to avoid

None known

10.5 Incompatible Materials

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Avoid contact with: bases, amines, ammonia, aluminum, oxidizers, strong acids, acid chlorides, inorganic acids, inorganic bases, and strong oxidizers

10.6 Hazardous decomposition products

Thermal decomposition can result in: formaldehyde, hydrocarbons, carbon oxides, nitrogen oxides, and organic compounds

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Oral LD50: > 2000 mg/kg (rat) Calculated

Dermal LD50: > 2000 mg/kg (rabbit) Calculated

Inhalation LD50: > 5 mg/l (Dust/mist (Rat)) Calculated

Skin Corrosion/irritation	Causes skin irritation
Serious eye damage/irritation	Causes serious eye damage
Respiratory or skin sensitization	May cause allergic skin reaction
Germ cell mutagenicity	Not Classified
Carcinogenicity	Not Classified
Reproductive toxicity	Not Classified
Specific organ toxicity single exposure	Not Classified
Specific organ toxicity repeated exposure	Not Classified
Aspiration hazard	Not Classified
Symptoms/injuries after inhalation	See Section 4
Symptoms/injuries after skin contact	See Section 4
Symptoms/injuries after eye contact	See Section 4
Symptoms/injuries after ingestion	See Section 4
Chronic symptoms	Not Classified

SECTION 12: Ecological information

12.1 Toxicity

No Data

12.2 Persistence and degradability

No Data

12.3 Bioaccumulative potential

No Data

12.4 Mobility in soil

No Data

12.5 Other adverse effect

No Data

SECTION 13: Disposal Considerations

13.1 Waste Treatment methods

Waste treatment methods Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without NPDES permit.

Waste disposal recommendations Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released to the environment.

SECTION 14: Transportation information

14.1 UN number, proper shipping name, class and packaging groups.

Domestic Ground Non-Bulk Shipments

NOT DOT REGULATED

14.2 Additional information

Not available

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SECTION 15: Regulatory Information

15.1 Federal regulations

TSCA Inventory: The components of this product are listed.

SARA 311/312 Hazard category (40 CFR 370.2): Acute and chronic health hazard.

SARA 313 Toxic Release Reporting (40CFR Part 372): 1-butoxy-2-propanol, CAS# 5131-66-8, 1-5% by wt./ Nonylphenol, ethoxylated, CAS# 127087-87-0, 1-5% by wt./ 2-butoxyethanol, CAS# 111-76-2, 5-10% by wt.

SARA 302 EHS Emergency Planning (40CFR Part 355): No listed substance known over 1.0% or over 0.1% that are carcinogenic.

SARA 304 EHS Emergency Planning (40CFR Part 355): No listed substance known over 1.0% or over 0.1% that are carcinogenic.

CERCLA Section 102-103 HS Released Reporting (40 CFR part 302-102a): 1-butoxy-2-propanol, CAS# 5131-66-8, RQ no listed value, see 50 Federal Register 13456 for RQ lbs./ 2-butoxyethanol, CAS# 111-76-2, RQ no listed value, see 50 Federal Register 13456 for RQ lbs.

15.2.1 International regulations

No Data

15.2.2 National regulations

No Data

15.3 State Regulations

California Prop. 65

Approximate quantities by weight

- Ethylene glycol (ingested)/ developmental/ CAS# 107-21-1/ Trace
- Formaldehyde (gas)/ cancer/ CAS# 50-00-0/ Trace
- Ethylene oxide/ cancer/ CAS# 75-21-8/ Trace
- Ethylene oxide / female/ CAS# 75-21-8/ Trace
- Ethylene oxide / developmental, male / CAS# 75-21-8/ Trace

New Jersey Right to Know

Approximate quantities by weight

- PROPYLENE GLYCOL/ CAS# 57-55-6/ 5-10% by wt.
- 2-BUTOXY ETHANOL/ CAS# 111-76-2/ 5-10% by wt.
- GLYCERIN/ CAS# 56-81-5/ 0.1-1% by wt.
- ETHYLENE GLYCOL/ CAS# 107-21-1/ Trace
- CHLOROACETIC ACID/ CAS# 79-11-8/ Trace
- FORMALDEHYDE/ CAS# 50-00-0/ Trace
- ETHYLENE OXIDE/ CAS# 75-21-8/ Trace

SECTION 16: Other Information

Other information	None
NFPA	
NFPA Health Hazard	2
NFPA Fire Hazard	1
NFPA Reactivity	0
HMIS	
Health	2
Flammability	1
Physical	0
Personal Protection	X

The information contained herein has been compiled from sources believed to be reliable and is accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it

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