



A Garland Industries Subsidiary

TegoBloc LiquiSeal

Safety Data Sheet

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

Revision Date: N/A

Date of Issue: 04/03/2023

Version:1.0

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Paste

Product Name: TegoBloc LiquiSeal

Product Code:

Name, Address, and Telephone of the Responsible Party

Manufacturer

GMX, Inc.

P.O. Box 743

Matthews, NC 28106

Emergency Telephone Number

Emergency Number: 1-800-424-9300 (CHEMTREC)

Main Switch Board: (704) 334-8222

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US)

H315 – Skin corrosion 2

H320 – Eye irritation 2B

H370 – STOT RE 1A

H350 – Carc. 1

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)

:



Signal Word (GHS-US)

:

Danger

Hazard Statements (GHS-US)

:

H315 – Causes skin irritation

H320 – Causes eye irritation

H370 – Causes damage to organs through prolonged or repeated exposure

H350 – May Cause Cancer

Precautionary Statements (GHS-US)

:

P201 – Obtain special instructions before use.

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

P260 – Do not breathe dust/fumes/gas/mist/vapours/spray

P264 – Wash face, hands, and any exposed skin thoroughly after handling.

P270 – Do not eat, drink, or smoke when using this product.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P281 – Use personal protective equipment as required.

P308+P313 – If exposed or concerned: Get medical advice/attention.

P337+P313 – if eye irritation persists: Get medical attention/advice

P405 – Store locked up.

P501 – Dispose of contents/container according to local, regional, national, and international regulations.

If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Specific treatment (see on this label).

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Other Hazards

Other Hazards Not Contributing to the Classification: Not available.

Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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Substance

Not available

Mixture

Name	Product identifier	% (w/w)
Stoddard Solvent	CAS No (8052-41-3)	10 - 20
Talc	CAS No (14807-96-6)	5 - 10
Quartz	CAS No (14808-60-7)	3 - 5
Cristobalite	CAS No (14464-46-1)	1 - 3

Other components below reportable levels

SECTION 4: FIRST AID MEASURES

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). IF exposed or concerned: Get medical advice/attention.

First-aid Measures After Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.

First-aid Measures After Skin Contact: Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

First-aid Measures After Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

First-aid Measures After Ingestion: Rinse mouth. Get medical attention if symptoms occur.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Carbon dioxide (CO₂). Foam. Dry powder. Dry chemical, water fog, foam.

Unsuitable Extinguishing Media: Do not use a solid water stream as it may scatter and spread fire.

Special Hazards Arising From the Substance or Mixture

No information available

Advice for Firefighters

Firefighting Instructions: Exercise caution when fighting any chemical fire.

Protection During Firefighting: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Reference to Other Sections

Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Use personal protective equipment. Keep people away from and upwind of spill/leak. Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation.

For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

Methods and materials for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

Environmental Precautions

Avoid discharge into drains, water courses or onto the ground.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust. Avoid prolonged exposure. When using, do not eat, drink or smoke. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

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Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Keep container tightly closed. Keep in properly labeled containers. Keep out of the reach of children.

Incompatible Materials: See section 10.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Cristobalite (14464-46-1)		
USA Table Z-1	PEL Respirable Dust	0.05 mg/m ³
USA Table Z-3	TWA Respirable	0.05 mg/m ³ , 1.2 mppcf
US ACGIH TLV	TWA Respirable fraction	0.025 mg/m ³
US NIOSH	TWA Respirable dust	0.05 mg/m ³

Quartz (14808-60-7)		
USA Table Z-1	PEL Respirable Dust	0.05 mg/m ³
USA Table Z-3	TWA Respirable	0.1 mg/m ³ , 2.4 mppcf
US ACGIH TLV	TWA Respirable fraction	0.025 mg/m ³
US NIOSH	TWA Respirable dust	0.05 mg/m ³

Stoddard Solvent (8052-41-3)		
USA Table Z-1	PEL	2900 mg/m ³ 500 ppm
USA Table Z-3	TWA	
US ACGIH TLV	TWA	100 ppm
US NIOSH	TWA	350 mg/m ³

Talc (14807-96-6)		
USA Table Z-1	PEL Respirable Dust	
USA Table Z-3	TWA Respirable	0.1 mg/m ³ , 2.4 mppcf
US ACGIH TLV	TWA Respirable fraction	2 mg/m ³
US NIOSH	TWA Respirable dust	2 mg/m ³

Biological limit values No biological exposure limits noted for the ingredient(s).

Exposure guidelines Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled

Exposure Controls

Appropriate Engineering Controls:

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Provide eyewash station. Eye wash fountain and emergency showers are recommended.

Individual protection measures, such as personal protective equipment

Eye/face protection Chemical respirator with organic vapor cartridge and full facepiece.

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Other Use of an impervious apron is recommended.

Respiratory protection

Chemical respirator with organic vapor cartridge and full facepiece.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	: Liquid, Paste
Appearance	: Brown / Gray paste
Odor	: Solvent

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Odor Threshold	: None known
pH	: Not available
Relative Evaporation Rate (butyl acetate = 1)	: Not available
Melting Point	: -94 °F (-70 °C) estimated
Boiling Point	: 302 °F (150 °C) estimated
Flash Point	: 114.8 °F (46.0 °C) estimated
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: 0.5 % estimated
Upper Flammable Limit	: 6 % estimated
Vapor Pressure	: 5 mm Hg estimated
Relative Vapor Density at 68°F (20°C)	: Not available
Relative Density	: 1.36 g/cm3 estimated
Specific Gravity	: 1.25 estimated
Solubility	: Partly miscible
Partition coefficient: n-octanol/water	: Not available
Explosion Data – Sensitivity to Mechanical Impact	: Not available
Explosion Data – Sensitivity to Static Discharge	: Not available
VOC Content	: < 150 g/l

SECTION 10: STABILITY AND REACTIVITY

Reactivity: The product is stable and non-reactive under normal conditions of use, storage, and transport

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: No dangerous reaction known under conditions of normal use.

Conditions to Avoid: Avoid temperatures exceeding flash point. Contact with incompatible materials.

Incompatible Materials: Powerful oxidizers.

Hazardous Decomposition Products: Carbon monoxide. Carbon dioxide. Hydrocarbons.

SECTION 11: TOXICOLOGICAL INFORMATION

Information On Toxicological Effects - Product

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics

Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity Not known.

Components Species Test Results

CRISTOBALITE (CAS 14464-46-1)

Oral Acute

LD50 Rat > 22500 mg/kg

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation Causes eye irritation.

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization

According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.) In June 2003, SCOEL (the EU Scientific Committee on Occupational

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Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL SUM Doc 94-final, June 2003) According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. May cause cancer. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled.

IARC Monographs. Overall Evaluation of Carcinogenicity

CRISTOBALITE (CAS 14464-46-1) 1 Carcinogenic to humans.

QUARTZ (SiO₂) (CAS 14808-60-7) 1 Carcinogenic to humans.

STODDARD SOLVENT (CAS 8052-41-3) 3 Not classifiable as to carcinogenicity to humans.

TALC (CAS 14807-96-6) 2B Possibly carcinogenic to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

CRISTOBALITE (CAS 14464-46-1) Cancer

QUARTZ (SiO₂) (CAS 14808-60-7) Cancer

US. National Toxicology Program (NTP) Report on Carcinogens

CRISTOBALITE (CAS 14464-46-1) Known To Be Human Carcinogen.

Reasonably Anticipated to be a Human Carcinogen.

QUARTZ (SiO₂) (CAS 14808-60-7) Known To Be Human Carcinogen.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure

Not classified.

Specific target organ toxicity - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard Not an aspiration hazard.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity – Ingredients

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment

Persistence and Degradability

No information available for this product.

Bioaccumulative Potential – Product

No information available for this product.

Bioaccumulative Potential – Ingredients

No information available for this product.

Mobility in Soil

No information available for this product.

Other Adverse Effects

Other Information: The product contains volatile organic compounds which have a photochemical ozone creation potential. Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Dispose of in accordance with local, state, and federal regulations.

Additional Information: Empty containers should be taken for local recycling, recovery or waste disposal.

SECTION 14: TRANSPORT INFORMATION

In Accordance with DOT

Proper Shipping Name : Non-Regulated Material.

In Accordance with IMDG

Proper Shipping Name : Not Regulated.

Hazard Class :

Identification Number :

Packing Group :

Marine Pollutant :

In Accordance with IATA

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Proper Shipping Name	: Not Regulated.
Hazard Class	:
Identification Number	:
Packing Group	:
Marine Pollutant	:
<u>In Accordance with TDG</u>	
Proper Shipping Name	: Not Regulated.
Hazard Class	:
Identification Number	:
Packing Group	:
Marine Pollutant	:

SECTION 15: REGULATORY INFORMATION

US federal regulations

OSHA Process Safety Standard:

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

CRISTOBALITE (CAS 14464-46-1) Cancer

QUARTZ (SIO2) (CAS 14808-60-7) Cancer

CRISTOBALITE (CAS 14464-46-1) lung effects

QUARTZ (SIO2) (CAS 14808-60-7) lung effects

CRISTOBALITE (CAS 14464-46-1) immune system effects

QUARTZ (SIO2) (CAS 14808-60-7) immune system effects

CRISTOBALITE (CAS 14464-46-1) kidney effects

QUARTZ (SIO2) (CAS 14808-60-7) kidney effects

SARA 302 Extremely hazardous substance

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Not listed.

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

US state regulations WARNING: This product contains a chemical known to the State of California to cause cancer.

California Proposition 65

WARNING: This product can expose you to QUARTZ (SIO2), which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

California Proposition 65 - CRT: Listed date/Carcinogenic substance

QUARTZ (SIO2) (CAS 14808-60-7) Listed: October 1, 1988

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

CRISTOBALITE (CAS 14464-46-1)

QUARTZ (SIO2) (CAS 14808-60-7)

STODDARD SOLVENT (CAS 8052-41-3)

TALC (CAS 14807-96-6)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No

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Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision date	:	04/03/2024
Other Information	:	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Party Responsible for the Preparation of This Document

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Indian Trail, NC 28709
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This information is based on our knowledge as of the Revision Date and is intended to describe the product only for the purposes of health, safety, and environmental requirements as of the Revision Date. It should not therefore be construed as guaranteeing any specific property of the product nor as providing any warranty, expressed or implied. The user assumes all responsibility, liability, risk of loss, damage, or expense arising out of, or in any way connected with, the handling, storage, use, or disposal of the product.

North America GHS US 2015 & WHMIS