

## Section 1. Identification

**Product Name:** SILFLO® SG

**Effective Date:** 22 September 2020

**Replaces:** New

**Manufacturer Name:** Silpro, LLC

**Address:** 2 New England Way

Ayer, MA 01432-1514

**24/7 EMERGENCY PHONE:** INFOTRAC 800-535-5053 Call collect internationally 352-323-3500

**24/7 HEALTH EMERGENCIES:** 800-222-1222 National Poison Control Center.

## Section 2. Hazard(s) Identification

**Emergency overview:** SILFLO® SG may cause eye damage and skin irritation. Inhalation may cause respiratory irritation and ingestion may cause gastric distress.



**GHS Pictograms:**

**GHS Signal Word:** WARNING

**POTENTIAL HEALTH EFFECTS:**

**CODE OF HAZARD STATEMENTS:**

Physical hazards

None.

Health Hazards

H302, Harmful if swallowed.

H313, May be harmful in contact with skin.

H315, Causes skin irritation.

H320, Causes eye irritation.

H333, May be harmful if inhaled.

H350, May cause cancer.

Environmental hazards

H402, Harmful to aquatic life.

**CODE OF PRECAUTIONARY STATEMENTS:**

General

P101, Keep out of reach of children.

P103, Read label before use.

Prevention

P210, Keep away from high heat and ignitions sources.

P234, Keep only in original container.

P261, Avoid breathing dust.

P262 Do not get in eyes, on skin or on clothing.

P264, Wash thoroughly after handling.

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

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

Response

P312, Call a POISON CENTER or doctor/physician if you feel unwell.

P331, DO NOT induce vomiting.

P340, Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P352, Wash with plenty of soap and water.

P362, Take off contaminated clothing and wash before reuse.

Storage

P402, Store in a dry place.

P403, Store in a well-ventilated area.

**ROUTES OF ENTRY:** Eye contact, skin adsorption, ingestion and inhalation.

**CARCINOGENICITY:** Crystalline silica may cause cancer, birth defects or other reproductive harm (less than 0.1%).

### Section 3. Composition/Information on Ingredients

Ingredients			
Component	CAS #	EINECS #	Percent
Crystalline silica	14808-60-7	238-878-4	>50
Gypsum Cement	26499-65-0	667-950-0	>17
Slag Cement	65996-69-2	266-002-0	>17
Portland cement	65997-15-1	266-043-4	5-10
Proprietary ingredients	Prop.	Prop.	<2.0

### Section 4. First Aid Measures

**Eye Contact:** Flush eyes with water immediately while holding eyelids open. Remove contacts, if worn, after initial flushing and continue flushing for at least 15 minutes. Seek medical attention if irritation persists.

**Skin Contact:** Use soap and water to remove from the skin, remove contaminated clothing, clean thoroughly before reuse. If irritation persists, contact a physician.

**Inhalation:** Move to fresh air. If not breathing, give rescue breathing. If breathing is difficult, give oxygen. Seek medical attention if breathing is still difficult.

**Ingestion:** If swallowed, get medical attention immediately. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person, have person lean forward to reduce the risk of aspiration.

### Section 5. Fire Fighting Measures

**Flash Point:** Not combustible.

**Flammability Limits:** LEL: NA UEL: NA

**Fire Fighting Media:** Cool fire exposed containers using waterways. Use alcohol foam chemical and carbon dioxide.

**Special Fire Fighting Procedures:** First responders need to wear full-bunker gear with SCBA, never enter a confined space unless fully protected with proper personal protective equipment (PPE).

### Section 6. Accidental Release Measures

**Use personal protective equipment, see section 8.**

**Clean-up Procedures:** Remove all ignition sources. Stop the source of the release if you are not put at risk. Use absorbent material (such as sand or kitty litter) to absorb the spill, pick up absorbent for disposal.

**Spills and Leaks:** Dispose in accordance to local, state or federal regulations.

### Section 7. Handling and Storage

**Handling:** Use with adequate ventilation. Avoid ignition sources, open flames and excessive heat. Do not get into eyes, on skin and on clothing. Do not breathe dusts. Wash thoroughly after handling.

**Storage:** Store in original labeled container. Keep in cool and dry areas.

### Section 8. Exposure Controls/Personal Protection

**Introductory Remarks:** Consider the potential hazards of this product outlined in section 2. Use process exposures such as local exhaust ventilation, to control over exposure to airborne levels above recommended exposure limits.

Ingredient	OSHA PEL
Crystalline silica	0.025 mg/m <sup>3</sup>
Quartz	0.05 mg/m <sup>3</sup>
Gypsum cement	1 mg/m <sup>3</sup>
Calcium sulfate hemihydrate	5 mg/m <sup>3</sup>
Portland cement	5 mg/m <sup>3</sup>

**Personal Protection:**

**Eyes:** Wear safety goggles or safety glasses to prevent eye contact.

**Body:** Long sleeve shirts, long pants, socks, rubber boots and chemical-resistant gloves.

**Hands:** Neoprene chemical-resistant gloves.

**Respiratory:** Wear an approved respirator that provides protection from this product if the airborne concentrations exceed the recommended exposure limits.

**Other:** None.

### Section 9. Physical and Chemical Properties

<b>Odor/Color</b>	White to light gray with no odor.	<b>Flash Point</b>	NA
<b>Solubility</b>	Negligible in water	<b>Specific gravity (water=1)</b>	>2 @ 68°F (20°C)

### Section 10. Stability and Reactivity

**Chemical Stability:** Considered stable under normal ambient temperatures.

**Hazardous Decomposition:** If complete combustion, oxides of carbon and other toxic gases.

**Hazardous Polymerization:** Will not occur

**Incompatibility - Materials to Avoid:** Oxidizing agents, acids, aluminum and ammonium salts.

### Section 11. Toxicological Information

The product is not very toxic.

**Acute Eye Irritation:** Severe eye damage.

**Acute Skin Irritation:** May be irritating.

**Acute Dermal Toxicity:** Not expected to be toxic through the skin.

**Acute Inhalation Toxicity:** Not determined, expected to cause behavioral changes.

**Carcinogenic Effects:** Crystalline silica may cause cancer, birth defects or other reproductive harm (less than 0.1%).

### Section 12. Ecological Information

**Ecotoxicity:** The toxicity of this product has not been determined.

**Environmental Fate:** This product's environmental fate has not been determined.

### Section 13. Disposal Considerations

**Waste Disposal Method:** Whatever cannot be saved for recovery or recycling should be managed by the local, state or Federal Regulations.

**Container Handling and Disposal:** All containers should be disposed of according to local, state and Federal regulations.

### Section 14. Transport Information

**Ground Classification:**

**Proper shipping description:** None

**Shipping Name:** SILFLO®) SG

**IATA: For cargo aircraft only:** None.

**IMO:** None.

### Section 15. Regulatory Information

<b>EPCRA 311/312 Categories:</b> Immediate (Acute) Health Effects:	Yes
Delayed (Chronic) Health Effects:	Yes
Fire Hazard:	No
Sudden Release of Pressure	No
Reactivity:	No

**WHMIS:** .X1 Corrosive material.

**Right to know classification** - Crystalline silica in the United States.

**TSCA:** All of the ingredients are listed on the active list.

**Reportable Quantity (RQ):** None.

**Prop. 65:** Crystalline silica and may cause cancer, birth defects or other reproductive harm (less than 0.1%).

All ingredients are listed in chemical inventories of ACIS, ECL, EEC, ENCS, EU, Israel, MAC, MAK, MITI, PICCS, SWISS, Taiwan, USA and UK.



**Abbreviations:**

CAS #	Chemical Abstract Service Number	EINECS	European Inventory of existing Commercial Chemical Sales
°C	Celsius temperature scale	°F	Fahrenheit temperature scale
Prop.	Proprietary	PE	Personal Protective Equipment
TLV	Threshold Limit Value	TWA	Time Weighted Average
STEL	Short-term Exposure Limit	PEL	Permissible Exposure Limit
OSHA	Occupational Safety & Health	NIOSH	National Institute of Safety & Health
NFPA	National Fire Protection Agency	WHMIS	Workplace Hazardous Materials Information System
NTP	National Toxicology Program	IARC	Int. Agency for Research on Cancer
RCRA	Resource Conservation Recovery Act	TSCA	Toxic Substance Control Act
EC <sub>50</sub>	Effective Dose	LC <sub>50</sub>	Lethal Inhalation Concentration
LD <sub>50</sub>	Lethal Dose	CAS	Chemical Abstract Service Number
LEL	Lower explosive limit	UEP	Upper explosive limit
NDA	No Data Available	ND	Not determined
NE	None established	NA	Not Applicable
≤	Less Than or Equal To	≥	Greater Than or Equal To
CNS	Central Nervous System	CI	China
DSL	Canada	ECL	Korean Existing Chemicals List
EEC	European Economic Commission	ENCS	Japanese Existing and New Chemical List
EU	European Union	MAC	Netherlands
MAK	Germany	MITI	Japan
PICCS	Philippines	SWISS	Giftliste 1
UK	United Kingdom	USA	United States
VOC	Volatile organic content		
ACGIH	American Conference of Government Industrial Hygienists		
SARA	Superfund Amendments and Reauthorization Act		
AICS	Australian Inventory of Chemical Substances		
IARC	International Agency for Research on Cancer		
Taiwan	List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances Control Act of 1086		

**Section 16. Other Information**

**Hazardous Material Information (HMIS)**

**National Fire Protection Association (NFPA)**

Health	2	2	Health
Fire	0	0	Fire
Reactivity	1	1	Instability
Personal Protection	E		NA

Health 4 Deadly 3 Extreme Danger 2 Dangerous 1 Slight hazard 0 No hazard  
 Fire 4 < 73 °C 3 < 100 °C 2 < 200 °C 1 >200 °C 0 Will not burn  
 Reactivity/Instability 4 – May detonate 3 Explosive 2 Unstable 1 Normally stable 0 Stable

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