# **GUARDEON**

# **Section 1: Company and Product Identification**

**Product Name:** GUARDEON **Product use:** Protection of Concrete, Stone and Masonry **Effective Date:** January 1, 2021

This product is alkaline. Avoid contact with eyes and skin.

**Manufacturer Information:** 

**GHS Signal Word:** WARNING

# Section 2: Hazards Identification

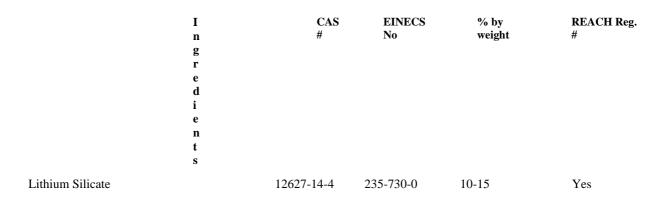
**GHS** Pictogram



Keep out of reach of children. The product may be harmful if it is inhaled or swallowed. **POTENTIAL HEALTH EFFECTS:** CODE OF HAZARD STATEMENTS: **Physical hazards** None. **Health Hazards** H303-may be harmful if swallowed. H312-Harmful in contact with skin. H319-Causes serious eve irritation. H333-May be harmful if inhaled. **Environmental hazards** None. CODE OF PRECAUTIONARY STATEMENTS: General P101-Keep out of reach of children. P103-Read label before use. **Prevention statements** P202-Do not handle until all safety precautions have been read and understood. P262-Do not get in eyes, on skin or on clothing. P264-Wash thoroughly after handling using this product. P280-Wear protective gloves/protective clothing/eye protection/face protection. P284-Wear respiratory protection. **Response statements** 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 P403-Store in well-ventilated place. P404-Store in a closed container. ROUTES OF ENTRY: Eye contact, skin adsorption, ingestion and inhalation. CARCINOGENICITY: None know at this time.

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#### Section 3: Information on Ingredients Contributing to Irritant Hazard



REACH Registration number LiSO<sub>2</sub> 235730012627144.

#### Section 4: First Aid

**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.

**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.

## **Section 5 Fire Fighting Measures**

Flash Point: Not flammable Flammability Limits: NE

Fire Fighting Media: Dry chemical, carbon dioxide, and water spray.

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). Material is alkaline and may cause the floor to be slippery.

#### Section 6: Accidental Release Measures

**Clean-up Procedures**: Material is alkaline wear proper PPE. 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, use plastic shovel to pick up absorbent for disposal. Do not dispose of in storm drains or sewer systems. **Spills and Leaks**: Dispose in accordance to local, state or federal regulations.

#### **Section 7: Handling and Storage**

**Handling**: Do not get into eyes. Do not taste or swallow. Wash thoroughly after handling. **Storage**: Store in original labeled container. Keep in cool and dry areas.

#### **Section 8: Exposure Control and Personal Protection**

Introductory Remarks: Consider the potential hazards of this product outlined in section 3. Use process exposures such as local exhaust ventilation, to control over exposure to airborne levels above recommended exposure limits.

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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: Chemical resistant gloves

**Respiratory**: Wear an approved respirator (NIOSH TC-84A rated or EN 14387) that provides protection from this product if the airborne concentrations exceed the recommended exposure limits. Other: None

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## **Section 9: Physical and Chemical Properties**

Color/Odor	Whitish/ ammonia	Vapor Pressure	< 2.2 torr @ 68 °F (20 °C)
рН	10.9-11.3	Density(water=1)	1.04 @ 68°F (20 °C)
VOC	< 50g/L	Solubility	> 95 % in water
Evaporation rate(water=1)	< 1.0	Boiling Point	212 °F (100 °C)
Freezing point	0 °C (32 °F)	Vapor density (air=1)	> 1

## Section 10: Stability and Reactivity

Chemical Stability: Considered stable under normal ambient temperatures. Hazardous Decomposition: If complete combustion, oxides of carbon and silicates are formed. Hazardous Polymerization: Will not occur. Incompatibility--Materials to Avoid: May react with strong oxidizing agents and strong acids.

### **Section 11: Toxicological Information**

Acute Eye Irritation: Irritating.
Acute Skin Irritation: Chronic exposure may be irritating.
Acute Dermal Toxicity: Not expected to be toxic through the skin.
Acute Inhalation Toxicity: Not determined, expected to be an irritant to the respiratory system.
Carcinogenic Effects: None
Existing Medical Conditions Aggravated by Exposure: Exposure to eyes and skin may cause irritation to pre-existing conditions.

# Section 12: Ecological Information

**Ecotoxicity:** The toxicity of this product has not been determined. **Environmental Fate:** This product should be expected to be readily biodegradable.

### Section 12: Disposal

Waste Disposal Method: Use up or dry out left over material and dispose of per regulations. Do not dump in storm drains or sewers.Container Handling and Disposal: All containers should disposed of according to local, state and Federal regulations. Readily recyclable once cleaned.

### **Section 14: Transportation**

Ground Classification: Not regulated by US DOT Shipping Name: None Technical Shipping Name: None UNFIC: None ID Number: None Packaging Group: None Labels: No US DOT Labels Not regulated by IATA or IMO

# Section 15: Regulatory Information

EPCRA 311/312 Categories: Immediate (Acute) Health Effects:

Effects:	Delayed (Chronic) Health Effects:	Yes Yes			
_	Fire Hazard: Sudden Release of Pressure Reactivity:	No No No			
TSCA: All ingredients listed of Reportable Quantity (RQ): No Prop. 65: None WHMIS: Xi (Irritant to the eye	All ingredients are listed in CA, or exempt from listing. one es and skin) emical inventories of ACIS, EC				
	Chemical Abstract Ser	rvice Number	EINECS European Inventory of existing Commercial Chemical Sales		
°C Celsius temperature	scale	ale °F Fahrenheit ten			
Prop. TLV STEL	Proprietary Threshold Limit Value Short-term Exposure Limit	PE TWA PEL	Personal Protective Equipment Time Weighted Average Permissible Exposure Limit		
OSHA NFPA	Occupational Sa National Fire Pr	afety & Health rotection Agency	NIOSH National Institute of Safety & Health WHMIS Workplace Hazardous Materials Information System		
NTP RCRA EC50			Materials Information System		
LD50 LEL NDA	National Toxicology Program Resource Conservation Recovery Act Effective Dose Lethal Dose Lower explosive limit No Data Available	IARC TSCA LC50 CAS UEP ND	Int. Agency for Research on Cancer Toxic Substance Control Act Lethal Inhalation Concentration Chemical Abstract Service Number Upper explosive limit Not determined		
NE None established < Less Than or Equal T CNS DSL EEC EU MAK	Fo Central Nervous System Canada	NA Not Applicab > Greater Than or Equa European Economic Commission Europe Union	le al To c Germany		

# **GUARDEON**

China Korean Existing Chemicals List Japanese Existing and New Chemical List Netherlands Japan		
Philippines		SWISS Giftliste 1
USA		United States
Volatile organic	content	ACGIH American Conference
		of Government Industrial Hygienists
	under Taiwan	emical Substances regulated Toxic Chemical Substances
	Korean Existing Chemicals List Japanese Existing and New Chemical List Netherlands Japan Philippines USA	Korean Existing Chemicals List Japanese Existing and New Chemical List Netherlands Japan Philippines USA Volatile organic content Volatile organic content Superfund Amendme nts and Reauthori zation Act Australian Inventory of Chemical Substance s Internatio nal Agency for Research on Cancer List of Toxic Ch

# Section 16 Other Information

#### Hazardous Material Information (HMIS)

#### National Fire Protection Association (NFPA)

Health	1	0	Health
Fire	0	0	Fire
Reactivity	0	0	Instability
Personal Protection	С	Alk	Specific

Health	4	Deadly 3	Extre	me Da	nger 2	Dang	gerous	1 Slight hazard	1 0 No	hazard
Fire	4	< 73 °C 3	< 100	°C 2	$< 200^{\circ}$	°C 1	$>200^{\circ}$	C 0 Will not	burn	
Reactivity/Instability	4 –	- May deton	ate 3	Explo	sive 2	Unsta	ble 1	Normally stab	le 0	Stable

**Risk phrases:** R36, Irritating to eyes; R37, Irritating to respiratory system; and R38, Irritating to skin. **Safety phrases:** S2, Keep out of reach of children; S24, Avoid contact with skin; S25, Avoid contact with eyes;S37, Wear suitable gloves; and S39, Wear eye/face protection.

Disclaimer:

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