

Section 1. Product and Company Identification**Product Name:**Pro-Shield**Product use:** Protection of concrete/stone/masonry**Effective Date:** 1 Feb 2023**Manufactured for:**

Pro Services International, LLC
5940 Rainbow Blvd PMB# 809
Las Vegas, NV 89118
(702) 979-7276 Ext: 101395

Emergency Phone Number:

INFOTRAC (24-hr/7days)
North America: 1-800-535-5053
International: 1-352-323-3500

Section 2. Hazard Identification**GHS Pictograms:****GHS Signal Word:** WARNING

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

H315-Causes skin irritation.

H319-Causes serious eye irritation

H335-May cause respiratory irritation.

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 the 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.

Section 3. Ingredients and Hazards Identification

Components	CAS #	EINECS #	% By weight	REACH Reg. #
Lithium silicate	10102-24-6		>14	No
Adipic dihydrazide	1071-93-8		< 10	No
Potassium methylsiliconate solution	31795-24-1		< 2	Yes
Prop.			< 0.5	Yes
Prop.				
Water	7732-18-5	231-791-2	Balance	No

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret

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.

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.

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. Do not exceed 60 °C (140 °F).

Section 8. Exposure Control/Personal Protection

OSHA TWA PEL: 80 mg/m³

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.

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

Section 9. Physical and Chemical Properties

Odor/Color	Light white / ammonia odor	Vapor Pressure	< 2.2 torr @ 68 °F (20 °C)
pH	11-12	Density(lbs/gal)	8.8-9.0 @ 68°F (20 °C)
Specific gravity Water, 1	1.05-1.08	Boiling Point	212 °F (100 °C)
VOC content	<50g/L	Solubility	> 95 % in water
Freezing point	0 °C (32 °F)		

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

Oral LD₅₀(rat) => 2,000 mg/L

Dermal LKD₅₀(Rabbit) =>1,000 mg/L

Acute Eye Irritation: Expected to be slight irritant to the eyes.

Acute Skin Irritation: Chronic exposure may be irritating.

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

Acute Inhalation Toxicity: Expected to be a slight 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: Unknown.

Environmental Fate: This product should be expected to be readily biodegradable.

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 triple rinsed and disposed of according to local, state and Federal regulations.

Section 14. Transport Information

Ground Classification:

Shipping Name: Pro-Shield

Proper Shipping Description (Ground):

Not regulated.

IATA: (Cargo aircraft only)

Not regulated.

IMO (Water):

Not regulated

Section 15. Regulatory Information

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

Right to know classification: All ingredients are listed in PA and NJ

TSCA: All ingredients listed or exempt from listing

Reportable Quantity (RQ): None

Prop. 65: None.

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

Section 16. Other Information**Hazardous Material Information (HMIS)****National Fire Protection Association (NFPA)**

Health	1	1	Health
Fire	0	0	Fire
Reactivity	0	0	Instability
Personal Protection	C		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

Approved: 1 Feb 2023

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