

Safety Data Sheet



Lithium Guard

1. IDENTIFICATION

24 HOUR EMERGENCY ASSISTANCE	MANUFACTURER/GENERAL MSDS ASSISTANCE
CHEM-TEL 1-800-255-3924	ONYX CONCRETE COATINGS Tel.: (888)-497-3872 1610 E. Miraloma Ave. Placentia, CA 92870

PRODUCT IDENTIFIER/NAME: Lithium Guard
RECOMMENDED USE: Concrete chemical hardener, sealer, and densifier

2. HAZARD(S) IDENTIFICATION

HAZARD CLASSIFICATION:

Acute Oral Toxicity Category 5
Skin Irritation Category 2
Eye Irritation Category 2

NFPA ratings (scale 0 – 4):

HEALTH	1
FIRE	0
REACTIVITY	0
SPECIAL	-

NFPA HAZARD RATING:

4= EXTREME 2= MODERATE 0= INSIGNIFICANT
3= HIGH 1= SLIGHT



HAZARD PICTOGRAMS:

SIGNAL WORD: Warning

PHYSICAL APPEARANCE: Clear, milky liquid with faint epoxy odor

HAZARD STATEMENTS:

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.

PHYSICAL HAZARDS: None

HEALTH HAZARDS: May be harmful if swallowed. Harmful in contact with skin. Causes serious eye irritation. May be harmful if inhaled.

ENVIRONMENTAL HAZARDS: None

CARCINOGENICITY: None known at this time

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

PRECAUTIONARY STATEMENTS:

GENERAL: Keep out of children. Read label before use.

PREVENTION: Do not handle until all safety precautions have been read and understood. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling using this product. Wear protective gloves, protective clothing, eye protection, and face protection. Wear respiratory protection.

RESPONSE: Call a POISON CENTER or doctor/physician if you feel unwell. DO NOT induce vomiting. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse.

STORAGE: Store in well-ventilated place. Store in a closed container.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<i>Lithium Silicate</i>	(CAS 12627-14-4)	<10%
<i>Proprietary</i>	(CAS T.S.)	1-8%
<i>Proprietary</i>	(CAS T.S.)	1-8%
<i>Polymer Emulsion</i>	(CAS N/A)	15-30%
<i>Water</i>	(CAS 7732-18-5)	>50%

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). In addition, other substances not Hazardous per this OSHA Standard may be listed. Where proprietary Ingredient shows, the identity may be made available as provided in this standard.

4. FIRST AID MEASURES

EYES: 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: Use soap and water to remove from the skin, remove contaminated clothing, clean thoroughly before reuse.

INGESTION: If swallowed, get medical attention immediately. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person.

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.

5. FIRE-FIGHTING MEASURES

FLASH POINT: Not flammable

FLAMMABILITY LIMITS: NE

FIRE FIGHTING MEDIA: Water spray, CO₂, dry chemical

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 floor to be slippery.

6. ACCIDENTAL RELEASE MEASURES

SPILLS AND LEAKS: Dispose in accordance to local, state, or federal regulations

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.

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.

8. EXPOSURE CONTROLS/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.

RESPIRATORY PROTECTION: 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.

BODY PROTECTION: Long sleeve shirts, long pants, socks, rubber boots, and chemical resistant gloves

HAND PROTECTION: Chemical resistant gloves

EYE PROTECTION: Wear safety goggles or safety glasses to prevent eye contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 100°C (212°F)

FREEZING POINT: 0°C (32°F)

DENSITY (WATER = 1): 1.05 @ 68°F (20°C)

VAP PRESS: >2.2 torr @ 68°F (20°C)

VAP DENSITY (AIR = 1): >1

SOL. IN WATER: >95% in water

APPEARANCE: White liquid

ODOR: Ammonia

pH: 11.0

VOC: <50 g/L

EVAPORATION RATE (WATER = 1): <1.0

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Considered stable under normal ambient temperatures.

INCOMPATIBILITY: May react with strong oxidizing agents and strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS: If complete combustion, oxides of carbon and silicates are formed.

HAZARDOUS POLYMERIZATION: Will not occur.

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

12. ECOLOGICAL INFORMATION

Ecotoxicity: No Data Available

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

Bioaccumulation: No Data Available

Biodegradation: No Date Available

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

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

Sections 311-312 require products be reviewed and applicable EPA Hazard Definitions be identified and made known.

EPCRA 311/312 CATEGORIES:

Acute	Chronic	Fire	Pressure	Reactive
Hazard	Hazard	Hazard	Hazard	Hazard
Yes	Yes	No	No	No

European Community: irritating (Xi) substances

Right to know classification: All ingredients are listed in CA, FL, MA, MI, MN, PA, and NJ

TSCA: All ingredients listed or exempt from listing

Reportable Quantity (RQ): None

Prop. 65: None

WHMIS: Xi (Irritant to the eyes and skin)

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

16. OTHER INFORMATION

Date Revised: 08/19/2015

MANUFACTURER'S NAME AND ADDRESS:

ONYX CONCRETE COATINGS

1610 E. Miraloma Ave.

Placentia, CA 92870

Telephone: 888-497-3872

The information herein is given in good faith, but no warranty expressed or implied is made. Onyx Concrete Coatings urges users of this product to evaluate its suitability and compliance with local regulations as Onyx cannot foresee the nature of the final application nor final location of usage.