PS103 Lithium Silicate Densifier WB Penetrating Sealer

1 Identification

PRODUCT NAME: PS103 Lithium Silicate Densifier WB Penetrating Sealer
PRODUCT CODES: PS103
MANUFACTURER: Concrete Sealers USA
STREET ADDRESS: P.O. Box 5464
CITY, STATE, ZIP: De Pere, WI 54115
INFORMATION PHONE: 888-583-2991
EMERGENCY PHONE: 800-424-9300
FAX PHONE: 920-759-5100
DATE REVISED: 6/1/15
Chemical Name or Class: Lithium Silicate Mixture

2 Hazard(s) Identification

Hazard Overview
GHS Classification: Skin corrosion/irritation category 2, Serious eye irritation category 2A
GHS Label Elements and Precautionary Statements:
Label Elements: Exclamation Mark
Hazard Statements:
Warning: Causes skin irritation.
Warning: Causes serious eye irritation.
Precautionary statements:

P102	Keep out of reach of children.
P103	Read label before use.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P302 + P352	IF ON SKIN: wash with plenty of soap and water.
P321	Specific treatment (see … on this label).
P333 + P313	IF SKIN irritation or rash occurs: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.

Disposal:

P501	Dispose of contents/container to a waste disposal facility in accordance with local, state, federal or international laws.

HMIS HAZARD CLASSIFICATION
HEALTH: 1 **FLAMMABILITY:** 1 **REACTIVITY:** 0 **PERSONAL PROTECTIVE EQUIPMENT:** B

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2 Hazard(s) Identification (Continued)

POTENTIAL HEALTH EFFECTS

EYES: DIRECT CONTACT CAN BURN EYES AND CAUSE POSSIBLE INJURY.

SKIN: CONTACT WITH SKIN CAN CAUSE BURNS OR IRRITATION.

INGESTION: CAN CAUSE BURNS TO THE MOUTH, THROAT OR DIGESTIVE SYSTEM IF SWALLOWED.

INHALATION: MIST MAY SERIOUSLY IRRITATE NOSE, THROAT, AND LUNGS DEPENDING ON CONCENTRATION AND DURATION OF EXPOSURE.

HEALTH HAZARDS (ACUTE AND CHRONIC): CONTACT CAN CAUSE BURNS TO EYES OR SKIN. CONTACT CAN CAUSE IRRITATION.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE KNOWN.

CARCINOGENICITY

OSHA: NO **NTP:** NO **IARC:** NO

NO COMPONENTS OF THIS PRODUCT ARE LISTED AS CARCINOGENS.

3 Composition / Information on Ingredients

INGREDIENT	CAS NO.	OSHA PEL	ACGIH TLV	OSHA STEL	WEIGHT %
LITHIUM SILICATE	12627-14-4	NONE	NONE	NONE	7-10
WATER	7732-18-5	NONE	NONE	NONE	60-100

SECTION 3 NOTES: No toxic chemical(s) subject to reporting requirements of section 313 of Title III and of 40 CFR 372.

Note: Ingredients listed without percentages, the percentages are considered a trade secret.

4 First-Aid Measures

EYES: IMMEDIATELY FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES AND SEEK MEDICAL ATTENTION.

SKIN: FLUSH SKIN IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES AND SEEK MEDICAL ATTENTION IF NECESSARY.

INGESTION: DO NOT INDUCE VOMITING AND SEEK MEDICAL ATTENTION.

INHALATION: REMOVE TO FRESH AIR AREA AND RECEIVE MEDICAL ATTENTION IF ILL EFFECTS PERSIST.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: IN ALL CASES OF EXPOSURE, TREAT ACCORDING TO PERSON'S CONDITION AND SPECIFIC EFFECTS OF EXPOSURE.

5 Fire-Fighting Measures

FLAMMABLE LIMITS IN AIR, (% by volume) **UPPER:** N/A **LOWER:** N/A

FLASH POINT: >212ºF

METHOD USED: SETA FLASH

EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG.

SPECIAL FIRE FIGHTING PROCEDURES: SELF CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING SHOULD BE WORN IN FIGHTING FIRES INVOLVING CHEMICALS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE KNOWN.

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6 Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: WEAR THE APPROPRIATE SAFETY EQUIPMENT. DYKE MATERIAL AND TAKE UP REMAINDER WITH ABSORBANT TO SALVAGE CONTAINER.

7 Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: WEAR SUITABLE PROTECTIVE CLOTHING TO AVOID CONTACT WITH MATERIAL. WEAR NEOPRENE OR RUBBER GLOVES. WEAR SPLASH GOGGLES WITH SIDE SHIELDS. STORE AWAY FROM HIGH HEAT, CONTACT WITH FLAMES AND/OR SPARKS. KEEP MATERIAL IN SEALED CONTAINERS THAT ARE PROPERLY LABELED. DO NOT ALLOW MATERIAL TO FREEZE.
OTHER PRECAUTIONS: USE GENERAL SAFETY PRECAUTIONS WHEN USING THIS MATERIAL. WASH HANDS BEFORE USING TOILET FACILITIES. REMOVE CONTAMINATED CLOTHING PROMPTLY.

8 Exposure Controls / Personal Protection

RESPIRATORY PROTECTION: AVOID THE INHALATION OF ANY MISTS THAT MAY BE GENERATED IN THE APPLICATION PROCESS.
VENTILATION: PROVIDE FOR ADEQUATE GENERAL VENTILATION.
PROTECTIVE GLOVES: IMPERVIOUS GLOVES, NEOPRENE OR RUBBER.
EYE PROTECTION: SPLASH PROOF GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: PROVIDE NECESSARY CLOTHING AND SAFETY EQUIPMENT TO PREVENT CONTACT WITH MATERIAL.
WORK HYGIENIC PRACTICES: TYPICAL HYGENIC PRACTICES SHOULD BE EMPLOYED TO PREVENT EXPOSURE AND CONTACT TO MATERIAL.

SEE SECTION 3 FOR OCCUPATIONAL EXPOSURE LIMIT VALUES.

9 Physical and Chemical Properties

APPEARANCE AND ODOR: TRANSPARENT WHITE OR COLORLESS LIQUID WITH SLIGHT ODOR
BOILING POINT OR RANGE: 0ºF - 212ºF
VAPOR DENSITY (AIR = 1): N/A
SPECIFIC GRAVITY (H2O = 1): 1.0
EVAPORATION RATE: N/A
SOLUBILITY IN WATER: NOT DETERMINED
Odor Threshhold: N/A
pH: <10
Melting point/freezing point: N/A
Vapor Pressure: N/A
Auto Ignition Temperature: N/A
Partition Coefficient: n-octanol/water: N/A
Decomposition Temperature: N/A

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10 Stability and Reactivity

STABILITY: STABLE.
CONDITIONS TO AVOID (STABILITY): NONE KNOWN.
INCOMPATIBILITY (MATERIAL TO AVOID): AVOID CONTACT WITH OXIDIZING MATERIALS.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: CARBON OXIDES AND TRACES OF INCOMPLETE CARBON COMPOUNDS, SILICON DIOXIDE (HIGH HEAT), METAL OXIDES AND FORMALDEHYDE.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

11 Toxicological Information

No data for the product itself.
Component data:
Component: LITHIUM SILICATE CAS# 12627-14-4. Acute Data: When tested for primary irritation potential, a similar material caused moderate irritation to the eyes and moderate irritation to the skin. Subchronic Data: Repeated ingestion or ingestion of large doses of soluble lithium compounds is reported to cause temporary mental function impairment. Special Studies: Repeated ingestion or ingestion of large doses of soluble lithium compounds during pregnancy is reported to cause fetal abnormalities. Frequent ingestion over extended periods of time of gram quantities of silicates is associated with the formation of kidney stones and other siliceous urinary calculi in humans. Lithium silicate is not listed by IARC, NTP or OSHA as a carcinogen.

12 Ecological Information

No data for the product itself.
Component data:
Component: LITHIUM SILICATE CAS# 12627-14-4. Eco toxicity: This product has not been tested for ecotoxicity potential. Environmental Fate: The high pH of this material may be acutely harmful to aquatic life. It does not contribute to BOD. Physical/Chemical: Sinks and mixes with water. Only water will evaporate from this material.

13 Disposal Considerations

WASTE DISPOSAL METHOD: DISPOSE OF THE MATERIAL IN A WASTE DISPOSAL SITE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAWS.

14 Transport Information

DOT: Not Regulated
IMO/IMDG: Not Regulated

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15 Regulatory Information

No data for the product itself.

Component data:

Component: LITHIUM SILICATE CAS# 12627-14-4. CERCLA: No CERCLA Reportable Quantity has been established for this material. SARA TITLE III: Not an Extremely Hazardous Substance under §302. Not a Toxic Chemical under §313. Hazard Categories under §§311/312: Acute TSCA: All ingredients of this material are listed on the TSCA inventory. Component is on the Canada DSL list.

16 Other Information

DISCLAIMER: THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE AND IS BELIEVED TO BE ACCURATE. HOWEVER, THE MANUFACTURER MAKES NO WARRANTY EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA OR THE RESULTS OBTAINED FROM THE USE THEREOF. ACCORDINGLY, WE ASSUME NO RESPONSIBILITY FOR INJURY FROM THE USE OF THIS PRODUCT.

N/A = Not Available.

See Section 1 for date of preparation.