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DENSIFIERS & SEALERS

PENTRA-SIL 244+

MATERIAL SAFETY DATA SHEET

1. PRODUCT COMPANY IDENTIFICATION

Product Name	Pentra-Sil 244+
Product Use	Salt Protection, Dust Proofer, Hardener, Densifier and Sealer

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET / MANUFACTURER / SUPPLIER

Convergent Concrete Technologies, 115 North 1380 West, Orem, UT 84057
Contact Number: 801 - 375 - 2280

DISTRIBUTOR DETAILS

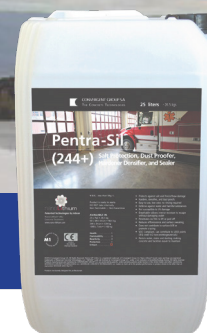
Region	New Zealand / Australia
Canzac Group - 3 Parkhouse Road, Wigram, Christchurch, New Zealand Contact Number: 03 343 4254 Email: info@canzac.com Lesas Systems 2017 Ltd - 41 Andrew Baxter Drive, Mangere, Auckland, New Zealand Contact Number: 09 526 7136 Email: sales@lesasystems.co.nz	
Emergency Contact	0800 764 766 - New Zealand Poisons Centre

2. HAZARD(S) IDENTIFICATION

GHS Pictogram(s)	
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 H312 - Harmful in contact with skin H319 - Causes serious eye irritation H33 - May be harmful if inhaled

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2. HAZARD(S) IDENTIFICATION - CONT

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 Centre 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 known at this time

3. INGREDIENTS AND HAZARDS IDENTIFICATION

COMPONENT	CAS#	EINECS NO	% BY WEIGHT	REACH REG. #
Prop.	Prop.	Prop.	1-8	No
Prop.	Prop.	Prop.	1-8	Yes
Lithium Silicate	12627-14-4	235-730-0	25-35	Yes
Water	7732-18-5	231-791-2	Balance	No
REACH Registration number is the EINECS # and CAS#: Lithium Silicate is 23573001267144.				

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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.

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.

6. ACCIDENTAL RELEASE MEASURES

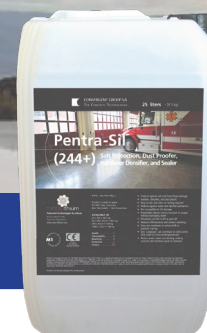
Clean-Up Procedures	Material is alkaline wear proper PPE. Stop the source of the release if you are not put at risk. Use absorbent material (such as sand or kitty litter) to absorb the spill, use plastic shovel to pick up absorbent for disposal.
Spills and Leaks	Dispose in accordance to local, state or federal regulations

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.

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8. EXPOSURE CONTROL/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.
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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Odour/Colour	Slight to none / red tint, dries clear	Vapour Pressure	<2.2 torr @ 20°C
pH	11-12	Density (water = 1)	1.10 @ 20°C
VOC	<50g/L	Solubility	>95% in water
Evaporation Rate	< 1.0	Boiling Point	100°C
Freezing Point	0°C	Vapour Density (air = 1)	>1

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 Polymerisation	Will not occur
Incompatibility / Material to Avoid	May react with strong oxidising agents and strong acids

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11. TOXICOLOGICAL INFORMATION

Acute Eye Irritation	Irritating
Acute Skin Irritation	Chronic Exposure may be irritating
Acute Dermal Toxicity	Not expected to be toxic through 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

Eco-toxicity	The toxicity of this product has not been determined
Environmental Fate	This product should be expected to be readily biodegradable

13. DISPOSAL CONSIDERATIONS

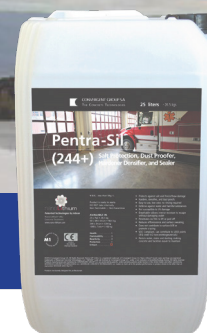
Waste Disposal Method	Whatever cannot be saved for recovery or recycling must be disposed of per local, state or Federal Regulations.
Container Handling and Disposal	All containers should be triple rinsed and disposed of according to local, state and Federal regulations.

14. TRANSPORT INFORMATION

Shipping Name	Pentra-Sil 244+
Not Regulated by IATA or IMO	

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15. REGULATORY INFORMATION

ESPCRA 311/312 Categories	
Immediate (Acute) Health Effects	Yes
Delayed (Chronic) Health Effects	Yes
Fire Hazard	No
Sudden Release of Pressure	No
Reactivity	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 are 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, ENCS, EU Israel, MAC, MAK, MITI, PICCS, SWISS, Taiwan, USA and UK Abbreviations	

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		N/A

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16. OTHER INFORMATION - CONT.

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 °, 0 Will not burn
Reactivity/Instability	4 May detonate, 3 Explosive, 2 Unstable, 1 Normally stable, 0 Stable
Risk Phases	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

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