



**SECTION 3 Composition / Information on Ingredients**

Chemical Name	EINECS No.	CAS No.	% by weight	Symbols and Risk Phrases
Cements	270-659-9	68475-76-3	5 - 15	Xi; R41.
Hydrated Lime	215-137-3	1305-62-0	< 10	Xi; R38. R41.
Silica Sand, Silicon dioxide	238-878-4	14808-60-7	> 30	None.
Respirable crystalline silica	-	14808-60-7	Trace	Xn; R48:R20.

**SECTION 4 First Aid Measures**

**General Information:** In case of accident or you feel unwell, seek medical advice and take the relevant safety data sheets.

Never give anything by mouth to an unconscious person.

**Inhalation :** If irritation occurs, move to fresh air. If nose or airways become inflamed seek medical advice.

**Skin contact :** Wash with soap and plenty of water before continuing. If irritation, pain or other skin trouble occurs, seek medical advice. Contaminated clothing should be removed and washed thoroughly before re-use.

**Eye Contact :** Hold eyelids apart and immediately flush with plenty of water for at least 15 minutes. Seek medical advice immediately.

**INGESTION :**      **WASH OUT MOUTH WITH WATER AND GIVE PATIENT PLENTY OF WATER TO DRINK**

**PHYSICIAN: SYMPTOMATIC AND SUPPORTIVE THERAPY AS NEEDED. FOLLOWING SEVERE EXPOSURE MEDICAL FOLLOW-UP SHOULD BE MONITORED FOR AT LEAST 48** ☒

**SECTION 5 Fire Fighting Measures**

THIS MATERIAL IS NON-COMBUSTIBLE AND WILL NOT FACILITATE COMBUSTION WITH OTHER MATERIALS.

**SECTION 6 Accidental Release Measures**

- **Personal precautions :** Use personal protective equipment as detailed in Section 8.
- **Ensure adequate ventilation.**
- **Environmental precautions :** Avoid the formation of dust clouds.
- **Methods for cleaning up :** Sweep or preferably vacuum up and collect in suitable containers for disposal in accordance with Section 13. Avoid creating a dust cloud, dampen with water if possible. Addition of water may result in the product hardening in situ if not removed quickly.

**SECTION 7 Handling and Storage**

**Handling :** Provide sufficient air exchange and/or exhaust in work rooms. Avoid formation of dust cloud. Ensure adequate ventilation. Use personal protective equipment as detailed in Section 8. Handle and open container with care.

**Storage :** Store in a dry, cool, well-ventilated place.

**SECTION 8 Exposure Controls / Personal Protection**

**EXPOSURE GUIDELINES**

Hazardous Component	PEL	STEL	TLV	Other
Silica, respirable crystalline dust	0.1 mg/m <sup>3</sup> 8hr TWA (8 hour time weighted average) (CHAN)			
Respirable dust				4 mg/m <sup>3</sup> 8hr TWA
Occupational Exposure Standard for dust,				10mg/m <sup>3</sup> 8hr TWA

**ENGINEERING MEASURES TO REDUCE EXPOSURE :** LOCAL EXHAUST VENTILATION IS RECOMMENDED WHERE DUST IS LIKELY TO BE GENERATED FROM THE HANDLING OF DRY MATERIAL.

**PERSONAL PROTECTIVE EQUIPMENT :**

**RESPIRATORY PROTECTION :** DUST RESPIRATOR IF THE CONDITIONS ARE DUSTY.

**EYE PROTECTION :** GOGGLES OR FACE SHIELD.

**HAND PROTECTION :** IMPERVIOUS GLOVES

**SKIN AND BODY PROTECTION :** PROTECTIVE SUIT.

**PROTECTIVE MEASURES :** USE OF THE BASIC PRINCIPLES OF INDUSTRIAL HYGIENE WILL ENABLE THIS MATERIAL TO BE USED SAFELY.

**RESPIRATORY** WHEN THE PRODUCT IS SPRAYED OR HEATED WITHOUT ADEQUATE VENTILATION, AN APPROVED **MSHA/NIOSH** POSITIVE-PRESSURE, SUPPLIED-AIR RESPIRATOR MAY BE REQUIRED. AIR PURIFYING RESPIRATORS EQUIPPED WITH ORGANIC VAPOR CARTRIDGES AND A **HEPA (P100)** PARTICULATE FILTER MAY BE USED UNDER CERTAIN CONDITIONS WHEN A CARTRIDGE CHANGE-OUT SCHEDULE HAS BEEN DEVELOPED IN ACCORDANCE WITH THE **OSHA** RESPIRATORY PROTECTION STANDARD (**29 C.F.R. 1910.134**)

**SECTION 9 Physical and Chemical Properties**

Appearance	
Form	Granules/powder mix
Color	N/A
pH	~11-14
Melting/Freezing Temperature	N/A
Boiling Point	Not determined
Ignition Temperature	Higher than 93.3 deg C (200 deg F) Flash Point
Autoignition Temperature	Not applicable
Lower explosive limit; na	
Vapor Pressure	.not applicable
Vapor Density (air=1)	Not applicable
Specific Gravity (water=1 @39.2F)	n/A
Evaporation Rate (Bac=1)	N/P
Odor	None
Odor threshold	
Water Solubility	slight

**SECTION 10 Stability and Reactivity**

**MATERIAL IS INERT AND STABLE.**

**CHROMIUM VI** CONTENT IS NOT AN ISSUE FOR THIS MATERIAL - SHELF LIFE IS 6 MONTHS.

**CONDITIONS TO AVOID :** NOT APPLICABLE

**MATERIALS TO AVOID :** NOT APPLICABLE

**HAZARDOUS DECOMPOSITION PRODUCTS :** NONE.

**SECTION 11 Toxicological Information**

**Inhalation:** :May cause inflammation of the mucous membranes, an irritant to the respiratory tract at high concentrations.

**Ingestion :** The swallowing of small amounts is unlikely to cause any significant reaction. Larger doses may result in irritation of the gastro intestinal tract.

**Eye irritation:** Cements and hydrated lime are painful eye irritants. Mild exposure can cause soreness. Gross exposure or untreated mild exposures can lead to chemical burning and ulceration of the eye.

**Skin Irritation:** Cement and hydrated lime powder, especially in a water mix, may cause irritant contact dermatitis and or burns.

**Long term toxicity :**High repeated exposures in excess of the OES have been linked with rhinitis and coughing. Skin exposure has been linked to allergic (chromium VI) dermatitis.

Allergic dermatitis more commonly arises through contact with water mixtures than when dry.

Further information: Respirable crystalline silica dust may cause silicosis, a lung disease. Long term exposures to high levels of respirable crystalline silica can also lead to an increased risk of developing lung cancer.

### SECTION 12 Ecological Information

**Ecotoxicity:** The addition of cement and hydrated lime to water will raise the pH and may therefore be toxic to aquatic life in some circumstances.

**Mobility :** The product is not volatile and insoluble in water, will accumulate in the ground.

**Persistence and degradability:** Mostly non-biodegradable. The hydrated lime will react with atmospheric and dissolved carbon dioxide to form calcium carbonate (e.g. chalk).

**Bio accumulative potential :** Not applicable.

**Additional ecological information:** High concentrations of lime and cement in water (>100 mg/l) may have a sterilizing effect in sewage works

### SECTION 13 Disposal Considerations

**Waste Disposal**  
 Unused Product/waste from cleaning etc.: Dispose of in accordance with local and national regulations.  
 EWC Code: 08 01 99 (Not a hazardous waste)

**Contaminated packaging:** Contaminated packaging must not be disposed of as household waste.  
 Not a hazardous waste.  
 Use EWC Code: 150101 for paper, 150102 for plastic.

### SECTION 14 Transport Information

<b>Not classified as hazardous for transport.</b>	
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### SECTION 15 Regulatory Information

Classification according to EEC directive:                   Irritant

R-phrases  
 R41                   : Risk of serious damage to eyes.

S-phrases  
 S22                   : Do not breathe dust.  
 S26                   : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S28                   : After contact with skin, wash immediately with plenty of water and soap.

S36/37/39           : Wear suitable protective clothing, gloves and eye/face protection.

Special provisions statement           : None.

Hazardous component(s) which must be listed on the label: Cement/Hydrated Lime.

US EPA TSCA Status:           All chemical ingredients are listed on the TSCA inventory.

Canada Domestic Substance List Status:  
 All chemical ingredients are listed on the DSL

EC Directives: Dangerous Substances Directive, 67/548/EEC & adaptations.  
 Dangerous Preparations Directive, 1999/45/EC.  
 Safety Data Sheets Directive, 91/155/EEC and adaptations.

Statutory Instruments: Chemicals (Hazard Information & Packaging for Supply) Regs 2002.  
 Control of Substances Hazardous to Health Regs 2002. Environmental Protection (Duty of Care) Regs. 1991. Codes of Practice  
 Waste Management. The Duty of Care.  
 Approved classification and labeling guide (Fifth edition). L131. The compilation of safety data sheets (Third edition).  
 Guidance Notes Occupational Exposure Limits EH40  
 CHIP for Everyone HSG(108)  
 Construction Information Sheet No 26 (revision 2) CIS26(rev2) - Cement  
 Construction Information Sheet No 36 (revision 1) CIS36(rev1) - Silica  
 Chemical Hazard Alert Notice 35 – Respirable Crystalline Silica

**SECTION 16 Other Information**

Users of our products should take appropriate measures to ensure working practices are in accordance with the Control of Substances Hazardous to Health Regulations (COSHH).

Maximum exposure limits and Occupational Exposure Standards have been taken from EH40 Occupational Exposure Standards (from HSE Books).

**Training Advice**

Applicators need to be trained in:-  
 Handling and hygiene associated with use of industrial chemicals.  
 Correct mixing and application of the product.  
 Correct cleaning and disposal methods.

**HMIS Ratings**

<b>Health</b>	:	2
<b>Flammability</b>	:	0
<b>Reactivity</b>	:	0

The product is intended for use by appropriately trained applicators in industrial situations. It is not suitable for use in home DIY applications, especially because of its hazardous nature and the protective measures required.

Notes - Do not use organic solvents for skin cleansing, it will lead to defatting of the skin, skin irritation and/or dermatitis. Some solvents can be absorbed through the skin. Beware of cross contamination where different products are in use in the same location. Take into account the Manual Handling regulations when dealing with the mixed product.

This safety data sheet is based on our present knowledge and experience and is intended to serve as a guide for safe handling of the product regarding to health and environmental aspects.