



SAFETY DATA SHEET (SDS)

Section 1. Identification

Product identifier	PRE MIX CONCRETE
Other means of identification	30 MPa
Recommended use and restrictions on use	Construction materials
Initial supplier identifier	Sable Marco, Inc. 26, Chemin de la Pêche, Pont-Rouge, QC, G3H 1C3, Tel. 418-873-4509
Emergency telephone number/restriction on use	Canada – CANUTEC 24 hour number 613-996-6666

Section 2. Hazard identification

Classification of hazardous product (name of the category or subcategory of the hazard class)

Skin corrosion (Category 1C)
Eye damage (Category 1)
Carcinogenicity (Category 1)
Specific target organ toxicity – repeated exposure (Category 1), Organs

Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory)



DANGER

When this product is humid or mixed with water – H314 Causes severe skin burns and eye damage.

H350 May cause cancer.

H372 Causes damage to organs (lungs) through prolonged or repeated exposure (inhalation).

P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe dusts or mists. P264 Wash hands/nails/face thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P405 Store locked up. P501 Dispose of contents/container into safe container in accordance with local, regional or national regulations. P308+P313 IF exposed or concerned: Get medical attention. P314 Get medical attention if you feel unwell. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P363 Wash contaminated clothing before reuse. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P310 Immediately call a doctor.

Other hazards known | None

Section 3. Composition/information on ingredients

Chemical name (common name/synonyms)	CAS number or other	Concentration (%)
Portland cement*	65997-15-1	10-30
Silica, Crystalline (Quartz)	14808-60-7	40-70

* This complex mixture may contain Calcium carbonate cas#1317-65-3, Tricalcium silicates cas#12168-85-3; Dicalcium silicates cas#10034-77-2; Tetracalcium-alumino-ferrite cas#12068-35-8; Tricalcium aluminate cas#12042-78-3; Calcium sulfate cas#7778-18-9; Magnesium oxide cas#1309-48-4; Potassium sulfate cas#7778-80-5; Sodium sulfate cas#7757-82-6; Calcium oxide cas#1305-78-8; Hexavalent chromium cas#18540-29-9.

Section 4. First-aid measures

Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a doctor.
Ingestion	IF SWALLOWED: Immediately call a doctor. DO NOT INDUCE VOMITING. NEVER give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Rinse mouth thoroughly with water. Have victim drink two glasses of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.
Skin contact	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. (15-20 minutes).
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. (15-20 minutes). Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.
Most important symptoms and effects (acute or delayed)	Eye and skin damage.
Indication of immediate medical attention/special treatment	In all cases, call a doctor. Do not forget this document.

Section 5. Fire-fighting measures

Specific hazards of the hazardous product (hazardous combustion products)

Carbon oxides and other irritant/toxic gases and fumes.

Suitable and unsuitable extinguishing media

In case of fire: Use carbon dioxide, chemical powder agent and appropriate foam to extinguish surrounding products.

Special protective equipment and precautions for fire-fighters

During a fire, irritating/toxic smoke and fumes may be generated. Do not enter fire area without proper protection. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece. Shield personnel to protect from venting, rupturing or bursting cans. Move containers from fire area if it can be done without risk. Water spray may be useful in cooling equipment and cans exposed to heat and flame.



Section 6. Accidental release measures	
Personal precautions, protective equipment and emergency procedures	
Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment (See Section 8).	
Methods and materials for containment and cleaning up	
Ventilate area of release. Stop the leak if it can be done safely. Contain and absorb any spilled liquid concentrate with inert absorbent material, then place material into a container for later disposal (see Section 13). Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required.	
Section 7. Handling and storage	
Precautions for safe handling	
Wear gloves/protective clothing/eye protection/face protection. Before handling, it is very important that engineering controls are operating, and that protective equipment requirements and personal hygiene measures are being followed. People working with this chemical should be properly trained regarding its hazards and its safe use. Inspect containers for leaks before handling. Label containers appropriately. Ensure proper ventilation. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. Avoid generating high concentrations of dusts, vapours or mists. Keep away from incompatible materials (Section 10). Keep containers closed when not in use. Empty containers are always dangerous. Refer also to Section 8.	
Conditions for safe storage, including any incompatibilities	
Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up. Store away from incompatible materials (Section 10). Inspect all incoming containers to make sure they are properly labelled and not damaged. Storage area should be clearly identified, clear of obstruction and accessible only to trained personnel. Inspect periodically for damage or leaks.	
Section 8. Exposure controls/Personal protection	
Control parameters (biological limit values or exposure limit values and source of those values)	
Exposure limits: CAS 1317-65-3 – PEL-TWA 15 mg/m ³ (total dust) & 5 mg/m ³ (respirable fraction); CAS 14808-60-7 ACGIH – TLV-TWA 0.025 mg/m ³ & PEL-TWA 0.1 mg/m ³ ; CAS 7778-18-9 – PEL-TWA 10 mg/m ³ ; CAS 1305-78-8 ACGIH – TLV-TWA 2 mg/m ³ & PEL-TWA 5 mg/m ³ ; CAS 1309-48-4 ACGIH – TLV-TWA 10 mg/m ³ & PEL-TWA 15 mg/m ³ ;	
Appropriate engineering controls	
Use under well-ventilated conditions. Local exhaust ventilation system is recommended to maintain concentrations of contaminants below exposure limits. Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.	
Individual protection measures/personal protective equipment	
Respiratory protection is required if the concentrations are higher than the exposure limits. Use a NIOSH approved respirators if the exposure limits are unknown. Chemically protective gloves (impervious), and other protective clothing to prevent prolonged or repeated skin contact, must be worn during all handling operations. Wear protective chemical splash goggles to prevent mists from entering the eyes. Wash hands/nails/face thoroughly after handling. Do not eat, drink or smoke when using this product. Practice good personal hygiene after using this material. Remove and wash contaminated work clothing before re-use.	
Section 9. Physical and chemical properties	
Appearance, physical state/colour	White to gray powder
Odour	Odourless
Odour threshold	Not available
pH	> 11
Melting/freezing point	Not available
Initial boiling point/range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solids and gases)	Not available
Upper and lower flammability/explosive limits	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility	Slightly
Partition coefficient - n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
VOC	Not available
Other	None known
Section 10. Stability and reactivity	
Reactivity	
Does not react under the recommended storage and handling conditions prescribed.	
Chemical stability	
Stable under the recommended storage and handling conditions prescribed.	
Possibility of hazardous reactions	
None known.	
Conditions to avoid (static discharge, shock or vibration)	
None known.	
Incompatible materials	
Oxidizing materials; strong acids; some metals; etc.	
Hazardous decomposition products	
None known	



Section 11. Toxicological information	
Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)	
When this product is humid or mixed with water – Causes severe skin burns and eye damage. May cause cancer. Causes damage to organs (lungs) through prolonged or repeated exposure (inhalation).	
Symptoms related to the physical, chemical and toxicological characteristics	
Skin irritation, redness, stinging, pain; Eye irritation, redness, tearing.	
Delayed and immediate effects (chronic effects from short-term and long-term exposure)	
Skin Sensitization – No data available; Respiratory Sensitization – No data available; Germ Cell Mutagenicity – No data available; Carcinogenicity – Ingredient listed by IARC, ACGIH, NTP or OSHA; Reproductive Toxicity – No data available; Specific Target Organ Toxicity — Single Exposure – No data available; Specific Target Organ Toxicity — Repeated Exposure – Possible; Aspiration Hazard – No data available; Health Hazards Not Otherwise Classified – No data available.	
Numerical measures of toxicity (ATE; LD₅₀ & LC₅₀)	
CAS 1317-65-3 LD ₅₀ Oral - Rat - 6450 mg/kg; ATE not available in this document.	
Section 12. Ecological information	
Ecotoxicity (aquatic and terrestrial information)	
No data available for the product.	
Persistence and degradability	No data available
Bioaccumulative potential	No bioaccumulation is to be expected.
Mobility in soil	No data available
Other adverse effects	No data available for the product.
Section 13. Disposal considerations	
Information on safe handling for disposal/methods of disposal/contaminated packaging	
Dispose of contents/container into safe container in accordance with local, regional or national regulations.	
Section 14. Transport information	
UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG/49 CFR Regulations	
NOT REGULATED	
UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)	
NOT REGULATED	
UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)	
NOT REGULATED	
Special precautions (transport/conveyance)	None
Environmental hazards (IMDG or other)	None
Bulk transport (usually more than 450 L in capacity)	Possible
Section 15. Regulatory information	
Safety/health Canadian regulations specifics	Refer to Section 2 for the appropriate classification. This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).
Environmental Canadian regulations specifics	Ingredient(s) of the DSL
Safety/health/environmental outside regulations specifics	None



Section 16. Other information

Date of the latest revision of the safety data sheet	April 15, 2018 version 1 (NSS ENTREPRISE INC)
References	Safety Data Sheets from manufacturer/supplier & from Canadian Centre for Occupational Health and Safety, CCOHS.
Abbreviations	
ACGIH	American Conference of Governmental Industrial Hygienists
ATE	Acute toxicity estimate
CAS	Chemical Abstract Service
DSL	Domestic Substance List
IARC	International Agency for Research on Cancer
LC	Lethal concentration
LD	Lethal Dosage
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
STEL	Short-term Exposure Limit
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
WHMIS	Workplace Hazardous Materials Information System
To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.	