A8 : Cement, calcium sulfate dihydrate, calcium carbonate, calcium oxide, magnesium oxide and silica crystalline based product

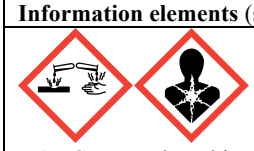
Section 1. Identification	
Product identifier	Portland Cement
Other means of identification	60.14
Recommended use and restrictions on use	Cement
Initial supplier identifier	Les Produits Daubois Inc. 6155 boul. des Grandes-Prairies, St-Léonard (Québec) H1P 1A5 Tel. 514-328-1253
Emergency telephone number/restriction on use	Canada – CANUTEC 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	< 100
Calcium sulfate dihydrate	13397-24-5	< 10
Calcium carbonate	1317-65-3	< 15
Calcium oxide	1305-78-8	< 5
Magnesium oxide	1309-48-4	< 4
Silica, Crystalline (Quartz)/Sand	14808-60-7	< 1

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 13397-24-5 ACGIH – TLV-TWA 10 mg/m^3 & PEL-TWA 5 mg/m^3 (respirable particles) & 15 mg/m^3 (total dust); 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;CAS 14808-60-7 ACGIH – TLV-TWA 0.025 mg/m^3 & PEL-TWA 0.1 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	**Vapour pressure**	Not available
Odour	Odourless	**Vapour density**	Not available
Odour threshold	Not available	**Relative density**	Not available
pH	> 11	**Solubility**	Slightly
Melting/freezing point	Not available	**Partition coefficient - n-octanol/water**	Not available
Initial boiling point/range	Not available	**Auto-ignition temperature**	Not available
Flash point	Not available	**Decomposition temperature**	Not available
Evaporation rate	Not available	**Viscosity**	Not available
Flammability (solids and gases)	Not available	**VOC**	Not available
Upper and lower flammability/explosive limits	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 – CAS 14808-60-7 is an 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; LD_{50} & LC_{50})
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	Refer to Section 3 for ingredient(s) of the DSL
Safety/health/environmental outside regulations specifics	
United States OSHA information: This product is regulated according to OSHA (29 CFR). United States EPA (Environmental Protection Agency) information: 40 CFR Refer to the ingredients listed in Section 3 & Sections 12; 13 & 14. United States TCSA information: Refer to the ingredients listed in Section 3.	

National Fire Protection Association (NFPA):
HEALTH: 3 FLAMMABILITY: 0 INSTABILITY: 0 SPECIAL HAZARDS: Refer to Section 2 & 3.
HAZARD SCALE: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe
California Proposition 65: This product contains Silica, Crystalline (Quartz) that is known to the State of California to cause cancer or other reproductive harm.

Section 16. Other information	
Date of the latest revision of the safety data sheet	June 15, 2017 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
CFR	Code of Federal Regulations
DSL	Domestic Substance List
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
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
TDG	Transport of dangerous goods in Canada
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.