

1. Identification

Product Name:	Deco-Poz Cement Mix (Gray & White)	Product Identifier:	DP1-8010-10W, -10G, -40W, -40G
Emergency Phone #:	(602)305-9397	Revision Date:	10/01/19
Relevant Uses:	Concrete Resurfacer	Supersedes Date:	05/01/14
Manufacturer: Eco Safety, Inc. 2921 W. Culver Street, #4B Phoenix, Arizona 85009 U.S.A. www.ecosafetyproducts.com T: (602)305-9397 F: (602)305-6431 or email: info@eco-safety.com		Supplier: Eco Safety, Inc. 2921 W. Culver Street, #4B Phoenix, Arizona 85009 U.S.A.	

2. Hazards Identification

Overexposure to portland cement can cause serious, potentially irreversible skin or eye damage in the form of chemical (caustic) burns, including third degree burns. The same serious injury can occur if wet or moist skin has prolonged contact exposure to dry portland cement

2.1 OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

2.2 Classification of the substance or mixture:

SKIN CORROSION/IRRITATION – Category 1

SERIOUS EYE DAMAGE/EYE IRRITATION – Category 1

SKIN SENSITIZATION – Category 1

CARCINOGENICITY/INHALATION – Category 1A

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) [Respiratory tract irritation] – Category 3

GHS LABEL ELEMENTS

Hazard pictograms:



Signal word: Danger

Hazard statements: Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation. May cause cancer.

Precautionary statements:

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Use outdoors in a well ventilated area. Wash any exposed body parts thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Contaminated clothing must not be allowed out of the workplace.

Response: If exposed or concerned: Immediately get medical advice/attention if you feel unwell or irritation or rash occurs. If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If in eyes: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. If inhaled: Remove person to fresh air and keep comfortable for breathing. If swallowed: Rinse mouth. Do not induce vomiting.

Storage: Restrict or control access to stockpile areas (store locked up). Engulfment hazard: To prevent burial or suffocation, do not enter a confined space, such as a silo, bulk truck or other storage container or vessel that stores or contains cement without an effective procedure for assuring safety. Store in a well-ventilated area. Keep container tightly closed.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards not otherwise classified (HNOC): None Known.

Supplemental Information: Respirable Crystalline Silica (RCS) may cause cancer. Repeated inhalation of respirable crystalline silica (quartz) may cause lung cancer according to IARC and NTP; ACGIH states that it is a suspected cause of cancer. Other forms of RCS (e.g., tridymite and cristobalite) may also be present or formed under certain industrial processes.

3. Composition/Information on Ingredients

3.1 Substance - Mixture

3.2 Chemical Name: Calcium compounds, calcium silicate compounds, and other calcium compounds containing iron and aluminum make up most of this product.

Chemical Name	Wt. % Range	CAS #
Calcium Silicate-Alumina	20-25%	65997-17-3
Boron Oxide	0-4%	12045-60-2
Sodium Oxide	0-1%	37382-45-9
Potassium Oxide	0-1%	37382-43-7
Magnesium Oxide	0-1%	82375-77-7
Portland Cement	50-80%	65997-15-1
Calcium Sulfate	0-10%	7778-18-9
Gypsum	0-10%	13397-24-5
Iron Oxide	0-15%	1309-37-1
Calcium Carbonate	0-15%	1317-65-3
Calcium Oxide	0-15%	1305-78-8
Crystalline Silica	0-5%	14808-60-7

4. First Aid Measures

Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes. If irritation develops, consult a physician.
Skin Contact:	Flush contaminated skin with plenty of water. Seek medical attention for rashes, burns, irritation, dermatitis and prolonged unprotected exposure to wet cement, cement mixtures or liquids from wet cement. Burns should be treated as caustic burns.
Inhalation:	Move exposed person to fresh air. Inhalation of large amounts of portland cement requires immediate medical attention. Call a poison center or physician.
Ingestion:	Do not induce vomiting. If victim is conscious give plenty of water or milk to drink. Get medical attention immediately.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

5. Fire Fighting Measures

Extinguishing Media:	Dry Chemical, Foam, Carbon Dioxide, Dry Sand, Water Fog.
Unusual Fire and Explosion Hazards:	No unusual fire or explosion hazards expected. Nonflammable.
Firefighting Procedures:	For precaution use self-contained breathing apparatus. Use water spray to cool fire exposed containers.

6. Accidental Release Measures

May be slippery when wet. Use caution during cleanup. Squeegee or broom spilled material. Spills may be absorbed by an absorbent material and dispose as solid waste according to your local, state and federal regulations. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container.

7. Handling and Storage



Handling: Wash hands and exposed skin thoroughly after handling. Remove contaminated clothing and launder before reuse. Use with adequate ventilation. Follow all SDS/label precautions. Avoid breathing vapors or mist. Avoid contact with eyes, skin and

clothing. **Storage:** Store material in a cool, dry and well-ventilated area between 40°F-90°F. Keep containers closed and air tight. Avoid freezing.

8. Exposure Controls and Personal Protection

Chemical Name	CAS #	Weight % Less Than	ACGIH TLV-TWA	OSHA PEL-TWA
Inorganic Borates	12280-03-4	< 1%	15 mg/m ³ (nuisance dust)	5 mg/m ³ (respirable dust)
Portland Cement	65997-15-1	< 80%	10mg total dust/m ³	5 mg/m ³ (respirable dust)
Calcium Sulfate	7778-18-9	< 10%	10mg total dust/m ³	5 mg/m ³ (respirable dust)
Gypsum	13397-24-5	< 10%	15mg total dust/m ³	5 mg/m ³ (respirable dust)
Iron Oxide	1309-37-1	< 15%	5mg total dust/m ³	10mg/m ³ (respirable dust)
Calcium Carbonate	1317-65-3	< 15%	10mg total dust/m ³	5 mg/m ³ (respirable dust)
Calcium Oxide	1305-78-8	< 15%	2mg total dust/m ³	5 mg/m ³ (respirable dust)
Crystalline Silica	14808-60-7	< 5%	0.05mg respirable quartz/m ³	10mg respirable dust/m ³ 30mg total dust/m ³ 250 million particles/ft ³

Personal Protection:

Engineering Controls:	Provide adequate general and local exhaust ventilation to control airborne levels below recommended exposure limits.
Personal Protective Equipment:	 Protective Goggles.  Gloves.
Eye Protection:	Use eye protection suitable to the environment and use. Avoid direct contact with eyes.
Skin & Body Protection:	Wear protective gloves to avoid possible skin irritation. Nitrile or Neoprene glove may afford adequate skin protection. Wear suitable protective clothing.
Respiratory Protection:	Use NIOSH-approved dust/particulate mask where vapor, mist, or dust exceed PEL's or other applicable OSHA 1910.134 requirements must be followed.
Hygienic Practices:	Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing and laundry before reuse.
Wash Requirements:	Wash with soap and water.

9. Physical and Chemical Characteristics

Appearance:	Solid Powder	Upper/Lower Limits:	N/A
Odor:	Odorless	Vapor Pressure (mm Hg):	N/A
Odor Threshold:	N/E	Vapor Density:	N/A
pH:	>11.5 [Conc. (% w/w): 1%]	Relative Density:	2.3 to 3.1
Freezing Point:	32°F/0°C	Solubility:	Partially Soluble
Boiling Point:	>1000°C (>1832°F)	Partition Coefficient:	N/A
Flash Point:	N/A	Auto-Ignition Temperature:	N/A

Evaporation Rate (H ₂ O = 1):	< 1	Decomposition Temperature:	N/A
Flammability:	Non-Flammable	Volatile Organic Compounds:	0 g/l

10. Stability and Reactivity

Reactivity: Reacts slowly with water forming hydrated compounds, releasing heat and producing a strong alkaline solution until reaction is substantially complete.	Hazardous Decomposition: None known.
Conditions Stability: Stable.	Hazardous Polymerization: None known
Conditions to Avoid: Strong acids and oxidizers.	Incompatible Materials: Oxidizing agents, acids.

11. Toxicological Information

Primary Routes of Entry:	Eyes, Skin, Inhalation, and Ingestion.
Effects of Over Exposure - Eyes:	May cause eye irritation if not removed immediately.
Effects of Over Exposure - Skin:	May cause slight skin irritation.
Effects of Over Exposure - Ingestion:	May cause gastrointestinal irritation.
Effects of Over Exposure - Inhalation:	Remove to fresh air if irritation occurs.
Acute Toxicity:	Portland Cement LD50/LC50 = Not available.
Carcinogenicity:	Cement, portland, chemicals. ACGIH: A4 Crystalline Silica (Quartz) (CAS 14808-60-7) ACGIH: A2
Reproductive Toxicity:	Not classified.
Germ Cell Mutagenicity:	Not classified.
Specific Target Organ Toxicity:	Not classified.

12. Ecological Information

Aquatic toxicity rating not determined. All possible measures should be taken to prevent release into the environment.			
Ingredient Name:	Result	Species	Exposure
Calcium oxide	Chronic NOEC 100 mg/L Fresh water	Fish-Oreochromis niloticus- Juvenile (Fledgling, Hatchling, Weanling)	46 days

13. Disposal Information

Disposal of product must be in accordance with all federal, state, and local regulations.

14. Transport Information

	Domestic (USDOT)	International (IMDG)	Air (IATA)	TDG (Canada)
UN Number:	N/A	N/A	N/A	N/A
Proper Shipping Name:	Not Regulated	Not Regulated	Not Regulated	Not Regulated
Packing Group:	N/A	N/A	N/A	N/A

15. Regulatory Information

TSCA 6 final risk management: Chromium, ion (Cr⁶⁺) United States inventory (TSCA 8b): Cements are considered to be statutory mixtures under TSCA. CAS 65997-15-1 is included on the TSCA inventory. CERCLA: This product is not listed as a CERCLA substance Clean Air Act Section 112 (b): Hazardous Air Pollutants (HAPs) – Not listed Clean Air Act Section 602: Class I Substances - Not listed Clean Air Act Section 602: Class II Substances - Not listed DEA List I Chemicals: (Precursor Chemicals) – Not listed DEA List II Chemicals: (Essential Chemicals) – Not listed

SARA 311/312 Classification: Immediate (acute) health hazard Delayed (chronic) health hazard

Name	%	Fire Hazard	Sudden Release of Pressure	Reactive	Immediate Acute Health Hazard	Delayed Chronic Health Hazard
Calcium oxide		No	No	No	Yes	No
Quartz	<0.1	No	No	No	No	Yes
Chromium, ion (Cr6+)	<0.1	No	No	No	Yes	Yes

SARA 313

	Ingredient Name	CAS#	%
Form R-Report requirements	Chromium, ion (Cr6+)	8540-29-9	<0.1

State Regulations:

Massachusetts: The following components are listed: cement, portland, chemicals, limestone

New York: None of the components are listed.

New Jersey: The following components are listed: cement, portland, chemicals, gypsum, limestone

Pennsylvania: The following components are listed: cement, portland, chemicals, gypsum, limestone

California Prop. 65 WARNING: This product contains crystalline silica and chemicals (trace metals) known to the State of California to cause cancer, birth defects or other reproductive harm. California law requires the above warning in the absence of definitive testing to prove the defined risks do not exist.

International regulations International lists: Canadian Domestic Substances List (DSL): Portland cement is included on the DSL.
Mexico Inventory (INSQ): All components are listed or exempted.

16. Other Information

HMIS Rating:

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	E

Hazard Index: 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe

Protection B: Safety Glasses, Gloves

Reason for Revision:	Update
Revision Date:	10/01/19
Legend:	N/A- Not applicable, N/E- Not established
Preparer:	Regulatory Department

The information given and recommendations made herein is believed to be accurate, but is not warranted to be so. The data is based upon information furnished by the manufacturer and the manufacturers of the components of the product. It is the purchaser's responsibility before using any product to verify the operating conditions and to determine whether the product is suitable for their purposes. Furthermore, the manufacturer assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Questions regarding this product may be directed to the manufacturer in Section 1.