

# Matrix

## Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2015

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#### SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

##### 1.1 Product identifier

###### Product Form

- Powder Mixture

###### Product Name

- Matrix

##### 1.2 Relevant identified uses of the substance Or mixture and uses advised against

###### Use of Substance

- Repair and reconstruct natural and cast stone, terracotta, and brick. Unique on-site color matching by trained, certified technicians.

##### 1.3 Details of the supplier of the safety data sheet

- Conproco Corporation  
17 Production Drive  
Dover, NH 03820

Telephone: 800.258.3500

##### 1.4 Emergency telephone numbers

- CHEMTREC 800.725.7383
- CHEMTREC International +1.703.527.3887 24 hr

#### SECTION 2 HAZARDS IDENTIFICATION

##### 2.1 Classification of the substance or mixture

- Acute toxicity 4
- Skin irritation 2
- Serious eye damage 1
- Skin sensitization 1
- Carcinogenicity 1A

##### 2.2 Label elements

###### Hazard Pictograms



###### Signal Word

- Danger

#### Hazard Statement

- Harmful if swallowed.
- Causes skin irritation.
- Causes serious eye damage.
- Can cause allergic skin reaction.
- May cause cancer.
- May cause respiratory irritation.
- Causes damage to organs through prolonged exposure.

#### Precautionary Statements

- Keep in original container.
- Do not eat, drink, or smoke when using these products.
- Wash hands thoroughly after handling.
- Do not handle until all safety precautions have been read and understood.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Use in a well ventilated area.
- Absorb spillage to prevent material damage.
- If exposed or concerned: Get medical advice/attention.
- If swallowed: Immediately call a poison center/doctor. Rinse mouth.
- If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if easy to do so. Continue rinsing. Immediately call a poison center/doctor.
- If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation of rash occurs. Get medical advice/attention.
- If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.
- Store locked up.
- Store in a well ventilated place.
- Keep container tightly closed/ Dispose of contents and container in accordance with all local, regional, national, and international regulations.

##### 2.3 Other hazards

Not Available.

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### SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Mixtures

- Matrix

#### 3.2 Hazardous ingredients

Substance Name	CAS No.	Concentration %	GHS – US Classification
Crystalline Silica	14808-60-7	50-85	Acute Tox. 4 (oral) H302 Carc. 1A H350 STOT RE 1 H372
Portland Cement, chemicals	65997-15-7	5-55	Skin Irrit. 2 H315 Eye Dam. 1 H318 Skin Sens. 1 H317 STOT SE 3 H335

Exact percentages of concentration are withheld as a trade secret  
In accordance with paragraph (I) of §1910.1200.

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### SECTION 4 FIRST AID MEASURES

#### 4.1 Description of first aid measures

##### Following inhalation

- If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

##### Following skin contact

- In case of contact, immediately flush skin with plenty of water.
- Remove contaminated clothing and shoes.
- Wash clothing before reuse.
- Call a physician if irritation develops and persists.

##### Following eye contact

- In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.

##### Following ingestion

- If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Immediately call a POISON CENTER or doctor/physician.

#### 4.2 Most important symptoms and effects, both acute and delayed

##### Symptoms –

##### Injury after inhalation

- May cause respiratory tract irritation.

##### Symptoms –

##### Injury after skin contact

- Causes skin irritation.
- May cause burns in the presence of moisture.
- Skin contact during hydration may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury.
- Do not allow product to harden around any body part or allow continuous, prolonged contact with skin.
- Handling can cause dry skin.
- May cause sensitization by skin contact.

##### Symptoms –

##### Injury after eye contact

- Causes serious eye damage.
- May cause burns in the presence of moisture.
- Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

##### Symptoms –

##### Injury after ingestion

- Harmful if swallowed.
- May cause stomach distress, nausea or vomiting.

#### 4.3 Indication of any immediate medical attention and special treatment needed

- Symptoms may not appear immediately.
- In case of accident or if you feel unwell, seek medical advice immediately.

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### SECTION 5 FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

##### Suitable extinguishing media

- Contact with water may cause eventual reaction to form a hard, inert solid.

##### Unsuitable extinguishing media

- None.

#### 5.2 Special hazards arising from the substance or mixture

##### Fire Hazard

- Products of combustion include, but are not limited to: oxides of carbon.

#### 5.3 Advice for fire-fighters

##### Firefighting instructions

- Keep upwind of fire. Wear full firefighting turn-out gear (full Bunker gear) and respiratory protection.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

##### General procedure

- Use personal protection recommended in Section 8.
- Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

#### 6.2 Methods and materials for containment and cleaning up

##### For containment

- Contain spill, then place in a suitable container.
- Do not flush to sewer or allow to enter waterways.
- Use appropriate personal protection.

##### Methods for cleaning up

- Vacuum or sweep material and place in a disposal container

#### 6.3 Reference to other sections

No additional information.

### SECTION 7 HANDLING & STORAGE

#### 7.1 Precautions for safe handling

- Avoid contact with skin and eyes.
- Avoid generating and breathing dust.
- Do not swallow.
- Good housekeeping is important to prevent accumulation of dust.
- The use of compressed air for cleaning clothing, equipment, etc., is not recommended.
- Handle and open container with care.
- When using do not eat, drink or smoke.

##### Hygiene measures

- Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

#### 7.2 Conditions for safe storage, including any incompatibility

##### Storage conditions

- Keep out of the reach of children.
- Store in dust-tight, dry, labelled containers.
- Keep container tightly closed when not in use.
- Avoid any dust build-up by frequent cleaning and suitable construction of the storage area.
- Do not store in an area equipped with emergency water sprinklers.

#### 7.3 Specific end uses

No additional information

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### SECTION 8 EXPOSURE CONTROLS PERSONAL PROTECTION

#### 8.1 Control parameters

##### Crystalline Silica (14808-60-7)

USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	(30)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA, total dust (250)/(%SiO <sub>2</sub> + 5) mppcf TWA, respirable fraction (10)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA, respirable fraction

##### Portland Cement, chemicals (65997-15-1)

USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup>

#### 8.2 Exposure controls

##### Appropriate engineering controls

- Use adequate ventilation.
- Avoid dust production.

##### Personal protection equipment

- Dust mask, gloves, safety glasses

##### Hand protection

- Cloth gloves

##### Eye protection

- Safety glasses

##### Skin and body protection

- Handle with good industrial hygiene and safety practice.
- Always wash hands after handling this product, and once again before leaving the workplace.
- Wear suitable protective clothing, and wash clothing before next use.

##### Respiratory protection

- Use NOISH-approved air-purifying or supplied air respirator where airborne concentrations of dust are expected to exceed exposure limits.

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### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

- Physical state.....solid
- Appearance.....powder
- Color.....gray
- Odor.....n/a
- Odor threshold.....n/a
- pH.....12
- Relative evaporation rate.....n/a
- Melting point.....n/a
- Freezing point.....n/a
- Boiling point.....n/a
- Flash point.....n/a
- Auto-ignition temperature.....n/a
- Decomposition temperature.....n/a
- Flammability (solid/gas).....n/a
- Vapor pressure.....n/a
- Relative vapor density (20°C).....n/a
- Relative density.....n/a
- Specific gravity.....n/a
- Density.....n/a
- Solubility.....water: 0.1 – 1%
- Log Pow.....n/a
- Log Kow.....n/a
- Kinematic viscosity.....n/a
- Dynamic viscosity.....n/a
- Explosive properties.....n/a
- Oxidizing properties.....n/a
- Explosive limits.....n/a

#### 9.2 Other information

No additional information.

### SECTION 10 STABILITY AND REACTIVITY

#### 10.1 Reactivity

- No dangerous reaction will occur under normal circumstances.

#### 10.2 Chemical stability

- Under normal conditions it will remain stable. Keep dry in storage.

#### 10.3 Possibility of hazardous reactions

- No dangerous reactions will occur under normal use.

#### 10.4 Conditions to avoid

- Moisture, and incompatible materials.

#### 10.5 Incompatible materials

- Wet cement is alkaline and incompatible with acid, ammonium salts, and aluminium metal.

#### 10.6 Hazardous decomposition products

- May include: oxides of carbon.

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### SECTION 11 TOXICOLOGICAL INFORMATION

#### 11.1 Information of toxicological effects

##### Acute Toxicity

- Harmful if swallowed

#### Crystalline Silica (14808-60-7)

LD50 Oral Rat 500 mg/kg

##### Skin corrosion – irritation

- Causes skin irritation.

##### Serious eye damage – irritation

- Causes serious eye damage.

##### Respiratory of skin sensitization

- May cause an allergic skin reaction.

##### Germ cell mutagenicity

- Classification criteria not met.

##### Carcinogenicity

- May cause cancer.

##### Reproductive toxicity

- Classification criteria not met.

##### Specific target organ toxicity (single exposure)

- May cause respiratory irritation.

##### Specific target organ toxicity (repeated exposure)

- Can cause damage to organs through prolonged or repeated exposure.

#### Symptoms

Symptoms – injuries after inhalation

May cause respiratory tract irritation

Symptoms – injuries after skin contact

Causes skin irritation. May cause burns in the presence of moisture. Skin contact during hydration may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin. May cause sensitization by skin contact.

Symptoms – injuries after eye contact

Causes serious eye damage. May cause burns in the presence of moisture. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms – injuries after ingestion

Harmful if swallowed. May cause stomach distress, Nausea or vomiting.



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### SECTION 12 ECOLOGICAL INFORMATION

#### 12.1 Toxicity

##### Ecological – general

- No ecological consideration when used according to directions.
- Normal dilution of this product to drains, sewers, septic systems and treatment plants is not considered environmentally harmful.

#### 12.2 Persistence and degradability

- Not readily biodegradable.

#### 12.3 Bioaccumulative potential

- Not expected to bio – accumulate.

#### 12.4 Mobility in soil

- No data available.

#### 12.5 Other adverse effects

- No data available.

### SECTION 13 DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

##### Waste disposal recommendations

- Dispose of waste material in accordance with all local, regional, national, and international regulations.

### SECTION 14 TRANSPORT INFORMATION

#### 14.1 UN number

- Not available.

#### 14.2 UN proper shipping name

- Not available.

#### 14.3 Additional information

- None.

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### SECTION 15 REGULATORY INFORMATION

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

##### Crystalline Silica (14808-60-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

##### Portland Cement (65997-15-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 15.2 US State Regulations

##### Matrix

State or local regulations

This product contains crystalline silica, and trace amounts of chemicals known to the State of California to cause cancer, birth defects, and reproductive harm.

#### Carcinogenic classification

##### IARC (I)

##### International Agency for Research on Cancer

1 – Carcinogenic to humans

2A – Probably carcinogenic to humans

2B – Possibly carcinogenic to humans

3 – Not classifiable

4 – Probably not carcinogenic to humans

##### NTP (N)

##### National Toxicology Program

1 – Evidence for carcinogenicity

2 – Known human carcinogen

3 – Reasonably anticipated to be Human Carcinogen

4 – Substances delisted from report on Carcinogens

5 – Twelfth Report – items under consideration

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### SECTION 16 OTHER INFORMATION

#### 16.1 Other information

- This document was created in accordance to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2015.

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