



FLEX PRO

MATERIAL SAFETY DATA SHEET



PRODUCT DESCRIPTION

FLEX PRO

Recommended use: All-purpose flexible thin set mortar

Restrictions on use: N.A.

Details of the supplier: Cempro LLC. 3929 E Guasti Rd. Unit C. Ontario, CA. 91761

www.cementpro.com

Telephone number: 1-951-300-0300 Emergency telephone: 1-800-535-0300

HAZARD - IDENTIFICATION

Category 2 - Skin Corrosion / Irritation

Category 1 - Skin sensitization

Category 1 - Severe eye damage / eye irritation

Category 3 - Specific target organ toxicity: Single exposure (lungs) Category 1A - Carcinogenicity

Category 1 - Specific Target Organ Toxicity: Repeated Exposure

PICTOGRAMS GHS

Signal word: DANGER.



PRECAUTIONARY STATEMENTS

P201: Obtain instructions before use.

P102: Keep out of the reach of children.

P202: Do not handle until all safety precautions have been read and understood.

P260: Do not breathe dust.

P264: Wash thoroughly clothes and any body parts exposed after handling.

P270: Do not eat, drink or smoke when using this product.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/ protective clothing/ face protection/ eye protection.

P301+P330+P331+P310: If swallowed, rinse mouth, do not induce vomiting and immediately call a poison center/doctor.

P302+P352: If on skin, wash with plenty of water.

P304+P340+P342+P311: If inhaled, remove person to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms, call a poison center/doctor.

P305+P351+P338+P315: If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing and get immediate medical advice/attention.

P402+P404: Store in a dry place and in a closed container .

P501: Dispose of contents /containers in accordance with local/state/national regulations.

HAZARDS STATEMENTS

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H335: May cause respiratory irritation.

H350: May cause cancer if inhaled.

H372: Causes damage to organs through prolonged or repeated exposure if inhaled.

OTHER HAZARDS

None.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

LIST OF COMPONENTS

NAME	CAS NUMBER	WEIGHT%	CLASSIFICATION
Portland Cement	65597 - 15 - 1	30 - 50	STOT SE 3, H335; Eye Dam. 1, H318; Skin Sens. 1, H317; Skin Irr. 2, H315
Silica sand, quartz	14808 - 60 - 7	40 - 60	STOT RE 1, H372; Carc. 1A, H350
Limestone	1317 - 65 - 3	5 - 20	Not classified

SECTION 4. FIRST AID MEASURES

DESCRIPTION OF THE FIRST AID MEASURES

Inhalation:

If breathing is difficult remove person to fresh air away from dust and keep comfortable for breathing. If coughing persists, obtain medical attention.

Ingestion:

Do not induce vomiting. If subject is conscious, rinse the mouth with water to remove any material. Get medical advice/attention.

Eye contact:

Immediately flush eyes with plenty of water. Continue rinsing for at least 15 minutes, even under the eyelids to remove all the material. Do not scrub the eyes.

Skin contact:

Wash the skin with plenty of water and with a neutral pH soap.

MOST IMPORTANT SYMPTOM / EFFECTS, ACUTE AND DELAYED

Inhalation:

May cause respiratory tract irritation. Causes damage to organs through prolonged or repeated exposure. This product contains crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica from this product can cause silicosis, a form of pulmonary fibrosis.

Ingestion:

May be harmful if swallowed. Ingestion may cause irritation, discomfort and/or distress. This product should not be ingested.

Eye Contact:

Causes serious eye damage. May cause immediate or delayed irritation or inflammation. Symptoms may include discomfort or pain, redness, excess blinking and tear production.

Skin Contact:

May cause severe skin burns. Handling can cause dry skin, discomfort, irritation. May cause sensitization by skin contact. People who have already developed sensitivity may react to the first contact with the product.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Symptoms may not appear immediately.

SECTION 5. FIRE - FIGHTING MEASURES

Flammability:

Not flammable, not combustible

Extinguishing media:

- Suitable extinguishing media: Use the appropriate extinguishing agent according to the fire's source.
- Unsuitable extinguishing media: None in particular.

Specific hazards arising from the chemical:

Do not inhale combustion gases.

Hazardous combustion products:

N.A.

Explosive properties:

N.A.

Special protective equipment and precautions for fire-fighters:

Wear full firefighting turn-out gear and use suitable breathing apparatus and protection equipment. In atmospheres with a lot of material in the environment, autonomous breathing is recommended.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Avoid inhalation of dust and contact with the skin. Provide adequate ventilation. Use the appropriate personal protection equipment and respiratory protection. Deny entry to unnecessary and unprotected personnel into the area.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Methods for containment:

- Recover all usable material.
- Avoid actions that cause dust to disperse in the air.
- Use personal protection equipment.

Methods for cleaning-up:

Vacuum or sweep the material and then place in a container.

Dispose of unwanted material properly in accordance with all local, regional, national and international regulations.

SECTION 7. HANDLING AND STORAGE

HANDLING.

Precautions for safe handling:

- Do not handle this product before having read and understood all safety precautions. Use in a well-ventilated area.
- Wear the appropriate personal protective equipment (section 8).
- Do not mix this product with other chemical products, except as indicated by the manufacturers.

General hygiene advise:

- Wash clothes and any exposed body parts carefully after handling the product.
- Use safety procedures for handling loads.
- Wear the recommended personal protection equipment (section 8).

STORAGE.

Precautions for safe storage:

- Store locked up.
- Keep the container tightly closed.
- Store indoors.
- Keep in a well ventilated place.

Incompatible materials:

None in particular.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETER

EXPOSURE LIMITS

COMPONENT	OSHA - PEL (mg/m ³)	ACGIH-TLV (mg / m ³)
Portland Cement	5 15	10
Silica sand, quartz	0.05	0.025
Calcium carbonate	5 15	5

Engineering controls:

Use only in a well-ventilated area.

If user operations generate dust, use local exhaust ventilation or other engineering controls to maintain worker exposure to airborne contaminants below recommended limits.

PERSONAL PROTECTION EQUIPMENT:

Skin protection:

Wear suitable protective clothing, impervious gloves and shoes to prevent skin contact.

Eye protection:

Wear safety glasses or safety goggles to avoid irritation or eye damage. Contact lenses shouldn't be worn when using this product.

Respiratory protection:

Use a NIOSH approved respirator or particulated-filtering facemask in poorly ventilated areas, when permissible exposure limits may be exceeded or when dust causes discomfort or irritation. Respiratory protection should be worn and selected under the professional direction of trained health and safety personnel following the specifications found in OSHA's respirator standard and ANSI's standard for respiratory protection.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid

Appearance: Powder

Color: Gray or white

Odour: N.A

Odour threshold: N.A.

pH (when wet): 12.1

Melting point / freezing point: N.A.

Initial boiling point and boiling range: N.A.

Flash point: N. A

Evaporation rate: N.A.

Upper/lower flammability or explosive limits: N.A

Vapour density: N.A.

Vapour pressure: N.A.

Relative density: 2.0 – 2.5 g/ml

Solubility in water: soluble / dispersable

Solubility in oil: N.A.

Partition coefficient (n-octanol/water): N.A.

Auto-ignition temperature: N.A.

Decomposition temperature: N.A.

Viscosity: N.A.

Explosive properties: N.A.

Oxidizing properties: N.A.

Solid/gas flammability: N.A.

VOC content: 0.0 g/lb (0.0 lb/gal)

SECTION 10. STABILITY AND REACTIVITY

Reactivity: No dangerous reaction known under normal conditions.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: None under normal conditions.

Conditions to avoid: Extreme heat. Incompatible materials.

Incompatible materials: None in particular.

Hazardous decomposition products: None.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicological information of the mixture:

There is no toxicological data available on the mixture.

Inhalation:

May cause respiratory tract irritation. Causes damage to organs through prolonged or repeated exposure. This product contains crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica from this product can cause silicosis, a form of pulmonary fibrosis.

Ingestion:

May be harmful if swallowed. Ingestion may cause irritation, discomfort and/or distress. This product should not be ingested.

Eye Contact:

Causes serious eye damage. May cause immediate or delayed irritation or inflammation. Symptoms may include discomfort or pain, redness, excess blinking and tear production.

Skin Contact:

May cause severe skin burns. Handling can cause dry skin, discomfort, irritation. May cause sensitization by skin contact. People who have already developed sensitivity may react to the first contact with the product.

Acute toxicity:

Silica Sand: LD50 Oral Rat = 22,500 mg/kg

Skin corrosion / irritation: Causes severe skin burns and eye damage.

Severe eye damage / eye irritation: Causes serious eye damage.

Skin sensitization: May cause an allergic skin reaction due to the potential presence of trace amounts on chromium.

Mutagenicity: N.A

Carcinogenicity: Portland cement has not been classified as carcinogenic by NTP, OSHA or IARC.

However, they may contain minimum quantities of substances classified as carcinogenic by these organizations. Crystalline silica, has been classified by ACGIH, OSHA, IARC(Group I) and NTP as a human carcinogen. Calcium Carbonate has not been listed.

Reproductive toxicity: N.A

Specific target organ toxicity: N.A

Single exposure (lungs): May cause respiratory irritation.

Specific target organ toxicity: N.A

Repeated exposure (lungs): N.A

Aspiration hazard: N.A

Teratogenicity: N.A

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: There is no data available on the mixture as well as its components.

Persistence and degradability: Not available

Bioaccumulative potential: Not available

Mobility soil: Not available

Other adverse effects: Not available

SECTION 13. DISPOSAL CONSIDERATIONS

Material waste should be minimized as much as possible.

Disposal Method:

Disposal of this product and contents/containers in accordance with all local, state, provincial, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

This product is not classified as dangerous is not regulated under DOT and other transportation regulations.

UN number: Not regulated

UN proper shipping name: Not regulated

Transport hazard class(es): Not regulated

Packing group: Not regulated

Environmental hazards: Not regulated

SECTION 15. REGULATORY INFORMATION

Federal regulations: USA, Toxic Substances Control Act (TSCA)

TSCA listed substances: Portland cement, Crystalline Silica, Quartz, Calcium Carbonate

State specific regulations USA: California Proposition 65, Crystalline Silica, Quartz Listed as carcinogen

SECTION 16. OTHER INFORMATION

HMIS RATING

Health	2
Fire	0
Reactivity	0
Personal Protection	E

Safety Data Sheet dated: 05/03/21

Version: 2.0

The information is considered correct but is not exhaustive and will be used only as guidance, which is based on the current knowledge of the chemical or mixture, and is applicable to the appropriate safety precautions for the product. However, no makes guarantee or warranty of any kind, express or implied, is made with respect to the information in this document. The manufacturer makes no representations and disclaim all liability for any harmful effects which may be caused by use this product.

