

SAFETY DATA SHEET – SUPER SCREED

Section 1. Identification

Product Name: SUPER SCREED

Effective Date: 2022 – JAN

Product Use: Mortar

Manufacturer Name: PROFLEX® Products, Inc.

1603 Grove Ave

Haines City, FL 33844

Emergency Phone: 877-577-6353

Product Information: 877-577-6353

Section 2. Hazard(s) Identification

GHS Pictograms Signal Words



GH505



GH507



GH508

Signal Word:

Danger

Classification of the Substance or Mixture

Skin Corr. 1A

Causes severe skin burns and eye damage

Eye Dam. 1

Causes serious eye damage.

Skin Sens. 1

May cause an allergic skin reaction.

Carc. 1A

May cause cancer if inhaled.

STOT SE 3

May cause respiratory irritation

STOT RE 1

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

Hazard statements:

H314

Causes severe skin burns and eye damage.

H317

May cause an allergic skin reaction.

H318

Causes serious eye damage.

H319

Causes serious eye irritation

H335

May cause respiratory irritation.

H350

May cause cancer if inhaled.

H351

Suspected of causing cancer.

H372

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

Precautionary statements:

P201

Obtain special instructions before use.

P202

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

P260

Do not breathe dust.

P264

Wash skin thoroughly after handling.

P270

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

P272

Contaminated work clothing should not be allowed out of the workplace.

P280

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

P301+P330+P331

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P302+P352

IF ON SKIN: Wash with plenty of water.

P304+P340

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313

IF exposed or concerned: Get medical advice/attention.

P310

Immediately call a doctor.

P314

Get medical advice/attention if you feel unwell.

P321

Specific treatment (see supplementary instructions on this label)

P333+P313

If skin irritation or rash occurs: Get medical advice/attention.

P362+ P363

Take off contaminated clothing and wash it before reuse.

P405

Store locked up.

P501

Dispose of contents/container in accordance with local, regional, national, and international regulations..

Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions

Ingredient(s) with unknown acute toxicity (GHS-US/CA): No data available

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Section 3. Composition / Information on Ingredients

Substances or Mixture: Not available

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification: None

| List of components Concentration Name | Ident. No: | Classification | Registration No: |
|---|----------------|---|------------------|
| 55-75 %* Silica Sand | CAS:14808-60-7 | STOT RE 1, H372; Carc. 1A, H350 | |
| 15-45 %* Cement, Portland, chemicals | CAS:65997-15-1 | STOT SE 3,H335; Eye Dam. 1, H318; Skin Sens. 1, H317; Skin Corr. 1A, H314 | |
| 30-1 %* Limestone | CAS: 1317-65-3 | Not Classified | |
| 10-0.5 %* Calcium oxide | CAS: 1305-78-8 | Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 3, H402 | |

*Means that the component will fall into one of the ranges specified due to batch-to-batch variability and to protect Confidential Business Information.

Section 4. First Aid Measures

Description of first aid measures

| | |
|--------------------------|---|
| In case of skin contact: | Wash with plenty of water and soap. |
| In case of eyes contact: | Wash immediately with water. |
| In case of Ingestion: | Do not induce vomiting, get medical attention showing the SDS and the hazard label. |
| In case of Inhalation: | Remove casualty to fresh air and keep warm and at rest. |

Most important symptoms/effects, acute and delayed: Not available
Indication of any immediate medical attention and special treatment needed
Treatment: Not available

Section 5. Fire Fighting Measures

Extinguishing media

| | |
|--|-----------------------------|
| Suitable extinguishing media: | Water. Carbon dioxide (CO2) |
| Unsuitable extinguishing media: | None in particular. |

Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.
 Burning produces heavy smoke.
 Hazardous combustion products: Not available
 Explosive properties: Not available
 Oxidizing properties: Not available

Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus.
 Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
 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

Wear personal protection equipment.
 Remove persons to safety.
 Do not allow to enter into soil/subsoil.
 Do not allow to enter into surface water or drains.

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Limit leakages with earth or sand.

Methods and material for containment and cleaning/collecting

For dry material, collect by sweeping and scooping. Transfer collected material to a container, being careful to minimize the creation of dust.
 For wet material, scoop material up and transfer to an open container. Suitable material for taking up: absorbing material, organic, sand
 Retain contaminated washing water and dispose it.
 Allow material to dry before disposal.

Section 7. Handling and Storage

Precautions for safe handling: Use in well-ventilated areas. Wear impervious gloves and eye protection. Do not mix with other chemical products, except as indicated by the manufacturers. Do not get in eyes. Do not get on skin or clothing. Do not breathe dust. Do not take internally.

General Hygiene Advice: Use good industrial hygiene practices and wear recommended personal protection. Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

Conditions for safe storage, including any incompatibilities

Storage: Keep out of the reach of children. Store locked up. Keep container tightly closed. Store at room temperature and keep containers closed when not in use. Keep dry until use

Section 8. Exposure Controls / Personal Protection

Control Parameters

For any substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or provincial governments.

| Silica Sand (CAS: 14808-60-7) | | |
|--|--------------------------------------|---|
| USA ACGIH | ACGIH TWA | 0.025 mg/m ³ (respirable particulate matter) |
| USA ACGIH | ACGIH chemical category | A2 - Suspected Human Carcinogen |
| USA OSHA | OSHA PEL (TWA) | 50 µg/m ³ |
| USA NIOSH | NIOSH REL (TWA) | 0.05 mg/m ³ (respirable dust) |
| USA IDLH | US IDLH (mg/m ³) | 50 mg/m ³ (respirable dust) |
| Cement, Portland, chemicals (CAS: 65997-15-1) | | |
| USA ACGIH | ACGIH TWA | 1 mg/m ³ (particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter) |
| USA ACGIH | ACGIH chemical category | Not Classifiable as a Human Carcinogen |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction) |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 10 mg/m ³ (total dust), 5 mg/m ³ (respirable dust) |
| USA IDLH | US IDLH (mg/m ³) | 5000 mg/m ³ |
| Limestone (CAS: 1317-65-3) | | |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 15 mg/m ³ (total dust), 5 mg/m ³ (respirable fraction) |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 10 mg/m ³ (total dust), 5 mg/m ³ (respirable dust) |
| Calcium oxide (CAS: 1305-78-8) | | |
| USA ACGIH | ACGIH TWA | 2 mg/m ³ |
| USA OSHA | OSHA PEL (TWA) | 5 mg/m ³ |
| USA NIOSH | NIOSH REL (TWA) | 2 mg/m ³ |
| USA IDLH | US IDLH (mg/m ³) | 25 mg/m ³ |

Exposure Controls

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal Protective Equipment: Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection. Face shield.

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Materials for Protective Clothing: Chemically resistant materials and fabrics. Corrosion-proof clothing.

Hand Protection: Wear protective gloves.

Eye and Face Protection: Chemical safety goggles and face shield.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information: When using, do not eat, drink or smoke.

Section 9. Physical and Chemical Properties

| | |
|---|-------------------------------|
| Appearance (physical state, color, etc.): | Solid Powder (gray or white) |
| Odor: | Cement like |
| Odor Threshold: | Not Available |
| pH: | 10.0 – 13 when wet |
| Melting point/Freezing point: | Not Available |
| Initial boiling point and boiling range: | Not Available |
| Flash point: | Not Available |
| Evaporation rate (Water=1): | Not Available |
| Flammability: | Not Flammable/Not Combustible |
| Upper Flammability/Explosive Limit: | Not Available |
| Lower Flammability/Explosive Limit: | Not Available |
| Vapor Pressure | Not Available |
| Vapor Density: | Not Available |
| Relative Density: | 2.0 – 3.15 g/mL |
| Solubility in Water: | Insoluble |
| Partition coefficient: n-octanol/water: | Not Available |
| Auto-ignition temperature: | Not Available |
| Decomposition Temperature: | Not Available |
| Viscosity (cps): | Not Available |
| VOC Content: | 0 g/L |

Section 10. Stability and Reactivity

| | |
|--|---|
| Reactivity: | Stable under normal conditions |
| Chemical stability: | Stable under normal storage conditions. Keep dry in storage. |
| Possibility of hazardous reactions: | No dangerous reaction known under conditions of normal use |
| Conditions to avoid: | Stable under normal conditions. Heat and Incompatible materials. |
| Incompatible materials: | Strong acids. Strong Oxidizers. |
| Hazardous decomposition products: | Will not spontaneously occur. Addition of water will produce caustic calcium hydroxide, which can cause chemical burns. |

Section 11. Ecological Information

Information on toxicological effects

Toxicological information of the mixture:

| | |
|--------------------------------------|---|
| a) acute toxicity | Not classified. Based on available data, the classification criteria are not met |
| b) skin corrosion/irritation | The product is classified: Skin irritation, Category 2(H315) |
| c) serious eye damage/irritation | The product is classified: Serious eye damage, Category 1, 2A(H318, H319) |
| d) respiratory or skin sensitization | The product is classified: Skin Sensitization, Category 1(H317) |
| e) germ cell mutagenicity | Not classified. Based on available data, the classification criteria are not met |
| f) carcinogenicity | The product is classified: Carcinogenicity, Category 1A(H350) |
| g) reproductive toxicity | Not classified Based on available data, the classification criteria are not met |
| h) STOT-single exposure | Not classified Based on available data, the classification criteria are not met |
| i) STOT-repeated exposure | The product is classified: Specific target organ toxicity following repeated exposure, Category 1(H372) |

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j) **aspiration hazard**

Not classified Based on available data, the classification criteria are not met

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

Toxicological information on main components of the mixture:

LD50 and LC50 Data:

| | |
|---------------------------------------|-------------|
| Silica Sand (CAS: 14808-60-7) | |
| LD50 Oral Rat | >5000 mg/kg |
| LD50 Dermal Rat | >5000 mg/kg |
| Calcium oxide (CAS: 1305-78-8) | |
| LD50 Oral Rat | >2000 mg/kg |
| LD50 Dermal Rabbit | >2500 mg/kg |

| | |
|---|---|
| Silica Sand (CAS: 14808-60-7) | |
| IARC Group | 1 |
| National Toxicology Program (NTP) Status | Known Human Carcinogens. |
| OSHA Hazard Communication Carcinogen List | In OSHA Hazard Communication Carcinogen list. |

Section 12. Ecological Information

Toxicity

Ecology - General: **Not classified.**

| | |
|---------------------------------------|-----------|
| Calcium oxide (CAS: 1305-78-8) | |
| LC50 Fish 1 | 50.6 mg/l |

Persistence and Degradability: Not available
 Bioaccumulative Potential: Not available

| | |
|---------------------------------------|----------------------|
| Calcium oxide (CAS: 1305-78-8) | |
| BCF Fish 1 | (no bioaccumulation) |

Mobility in Soil: Not available
Other Adverse Effects: Not available

Section 13. Disposal Considerations

Waste treatment methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

Ecology - Waste Materials: Avoid release to the environment.

Section 14. Transport Information

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

| | | |
|----------------|-------------------|-----------------------------|
| Land transport | DOT | Not regulated for transport |
| Sea transport | IMDG | Not regulated for transport |
| Air transport | IATA / CAO | Not regulated for transport |

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Section 15. Regulatory Information

US Federal Regulations

SARA Section 311/312 Hazard Classes Health hazard - Specific target organ toxicity (single or repeated exposure)
 Health hazard - Carcinogenicity
 Health hazard - Respiratory or skin sensitization
 Health hazard - Serious eye damage or eye irritation
 Health hazard - Skin corrosion or Irritation

Silica Sand (14808-60-7)
 Listed on the United States TSCA (Toxic Substances Control Act) inventory

Calcium oxide (CAS: 1305-78-8)
 Listed on the United States TSCA (Toxic Substances Control Act) inventory

Cement, Portland, chemicals (CAS: 65997-15-1)
 Listed on the United States TSCA (Toxic Substances Control Act) inventory

Limestone (CAS: 1317-65-3) Listed on the United States TSCA (Toxic Substances Control Act) inventory

US State Regulations

California Proposition 65

| Chemical Name (CAS No.) | Carcinogenicity Developmental Toxicity | Female Reproductive Toxicity | Male Reproductive Toxicity |
|----------------------------|--|---------------------------------|-------------------------------|
| Silica Sand (14808-60-7) | X | | X |

Silica Sand (CAS: 14808-60-7)
 U.S. - Massachusetts - Right To Know List
 U.S. - New Jersey - Right to Know Hazardous Substance List
 U.S. - Pennsylvania - RTK (Right to Know) List

Calcium Oxide (CAS: 1305-78-8)
 U.S. - Massachusetts - Right To Know List
 U.S. - New Jersey - Right to Know Hazardous Substance List
 U.S. - Pennsylvania - RTK (Right to Know) List

Cement, Portland, chemicals (CAS: 65997-15-1)
 U.S. - Massachusetts - Right To Know List
 U.S. - New Jersey - Right to Know Hazardous Substance List
 U.S. - Pennsylvania - RTK (Right to Know) List

Limestone (CAS: 1317-65-3)
 U.S. - Massachusetts - Right To Know List
 U.S. - New Jersey - Right to Know Hazardous Substance List
 U.S. - Pennsylvania - RTK (Right to Know) List

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Section 16. Other Information

Safety Data Sheet

Additional classification information

NFPA Health: 2 = Moderate
 NFPA Flammability: 0 = Not Combustible
 NFPA Reactivity: 0 = Minimal
 NFPA Special Risk: NONE



| Code | Description |
|------|--|
| H314 | Causes severe skin burns and eye damage. |
| H317 | May cause an allergic skin reaction. |

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| | |
|------|---|
| H318 | Causes serious eye damage. |
| H335 | May cause respiratory irritation. |
| H350 | May cause cancer. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |

Abbreviations:

≤ Less Than or Equal To
≥ Greater Than or Equal To

ACGIH American Conference of Governmental Industrial Hygienists

BCF Bioconcentration factor

°C Celsius temperature scale

CAS: Chemical Abstract Service Number

CAO. Cargo Aircraft Only

CFR Code of Federal Regulations

CNS Central Nervous System

DOT Department of Transportation

EC50 Effective Dose

°F Fahrenheit temperature scale Prop. Proprietary

IARC International Agency for Research on Cancer

IATA International Air Transport Association

IDLH Immediately Dangerous To Life or Health

IMDG International Maritime Dangerous Goods code

LC50 Lethal Inhalation Concentration

LD50 Lethal Dose

LEL Lower explosive limit

NA Not available

NFPA National Fire Protection Agency

IOSH National Institute of Safety & Health

NTP National Toxicology Program

OSHA Occupational Safety & Health

PE Personal Protective Equipment

PEL Permissible Exposure Limit

RCRA Resource Conservation Recovery Act

SARA Superfund Amendments and Reauthorization Act

STEL Short-term Exposure Limit

STOT RE Specific Target Organ Toxicant (repeated exposure)

STOT SE Specific Target Organ Toxicant (single exposure)

TLV Threshold Limit Value

TSCA Toxic Substance Control Act

TWA Time Weighted Average

UEP Upper explosive limit

USA United States

VOC Volatile organic content

WHMIS Workplace Hazardous Materials Information System