



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Calcium Sulfate Hemihydrate (Plaster of Paris)

30-2654

Section 1: Identification

Product Name Calcium Sulfate Hemihydrate (Plaster of Paris)
Commercial Name Not available.
Product Use Laboratory chemicals, Manufacture of substances
Restrictions On Use Not available

Product Code 30-2654

Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Not available.
CFR 1910.1200

Signal Word NON-HAZARDOUS

Hazard Statement(s) Not available.

Pictogram(s) or Symbol(s)

Precautionary Statement(s):

Prevention Observe good industrial hygiene practices.
Response Wash hands after handling.
Storage Store away from incompatible materials.
Disposal Dispose of waste and residues in accordance with local authority requirements.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Calcium Sulfate, Hemihydrate
% By Weight 100
CAS# 10034-76-1
Molecular Weight 145.15 g/mole
Chemical Formula CaSO₄·1/2H₂O
Synonym(s) Sulfuric acid calcium salt hemihydrate

Mixtures

| Name | CAS# | % by Weight | TLV/PEL | LC50/LD50 |
|------------------------------|------------|-------------|---------|-----------|
| Calcium Sulfate, Hemihydrate | 10034-76-1 | 100 | | |

Section 4: First-Aid Measures

| | |
|-------------------------|---|
| Inhalation | Move to fresh air. Call a physician if symptoms develop or persist. |
| Skin Contact | Wash off with soap and water. Get medical attention if irritation develops and persists. |
| Eye Contact | Do not rub eyes. Rinse with water. Get medical attention if irritation develops and persists. |
| Ingestion | Rinse mouth. Get medical attention if symptoms occur. |
| Symptoms/Effects | |
| Acute | Dusts may irritate the respiratory tract, skin and eyes. |
| Delayed | Dusts may irritate the respiratory tract, skin and eyes. |

Immediate Medical Attention

Treat symptomatically. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

Substance is noncombustible; use agent most appropriate to extinguish surrounding fire

Unsuitable Extinguishing Media

Do not use water jet as an extinguisher, as this will spread the fire

Products of Combustion

During fire, gases hazardous to health may be formed.

Firefighters Special Equipment and Precautions

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Use water spray to cool unopened containers. Use standard firefighting procedures and consider the hazards of other involved materials.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. For personal protection, see section 8 of the SDS. Methods and materials for containment and cleaning up: Avoid the generation of dusts during clean-up. Collect dust using a vacuum cleaner equipped with HEPA filter. The product is immiscible with water and will sediment in water systems. Stop the flow of material, if this is without risk. Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container. Following product recovery, flush area with water. Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. For waste disposal, see section 13 of the SDS. Environmental precautions: Avoid discharge into drains, water courses or onto the ground.

Section 7: Handling and Storage

Precautions for safe handling: Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Avoid prolonged exposure. Practice good housekeeping. Conditions for safe storage, including any incompatibilities: Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

Section 8: Exposure Controls/Personal Protection

| | |
|-----------------------------|---|
| Exposure Limits | US. ACGIH Threshold Limit Values TWA 10 mg/m ³ Inhalable fraction. C No biological exposure limits noted for the ingredient(s) |
| Engineering Controls | Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn. If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits. |

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Personal Protection

Eye/face protection: Wear safety glasses with side shields (or goggles) Hand protection: Wear appropriate chemical resistant gloves. Other: Wear suitable protective clothing. Respiratory protection: Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Thermal hazards: Wear appropriate thermal protective clothing, when necessary. General hygiene considerations: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9: Physical and Chemical Properties

| | | | |
|---|------------------------------|--|----------------|
| Appearance | Solid. White powder | | |
| Odor | Odorless | | |
| Odor Threshold | Not available | | |
| Melting Point | 2642 °F (1450 °C) | pH | Not available |
| Freezing Point | Not available. | Vapor Pressure | Not available. |
| Boiling Point/Range | Not available. | Vapor Density | Not available. |
| Decomposition temperature | Not available | Viscosity | Not available. |
| Partition Coefficient: n-octanol/water | Not available | Evaporation Rate | Not available |
| Flash Point | Not applicable. | Autoignition temperature | Not applicable |
| Flammability | Not available | Flammability or Explosive Limits: | |
| | | Lower | Not available |
| | | Upper | Not available |
| Solubility(ies) | Slightly soluble in water. | | |
| Other | Relative density 2.960 g/cm3 | | |

Section 10: Stability and Reactivity

| | |
|---|--|
| Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport |
| Chemical Stability | Material is stable under normal conditions. |
| Hazardous Polymerization | No dangerous reaction known under conditions of normal use. |
| Conditions to Avoid | Contact with incompatible materials |
| Incompatible Materials | Strong oxidizing agents |
| Hazardous Decomposition Products | No hazardous decomposition products are known |

Section 11: Toxicological Information
RTECS WS6920000

Acute Toxicity

Not available.

Skin Corrosion/Irritation

Prolonged skin contact may cause temporary irritation.

Serious Eye Damage/Irritation

Direct contact with eyes may cause temporary irritation

Respiratory or Skin Sensitization

Not a respiratory sensitizer. This product is not expected to cause skin sensitization.

Germ Cell Mutagenicity

Not available

Carcinogenicity

Not available.

Reproductive Toxicity

This product is not expected to cause reproductive or developmental effects

Routes of Entry

Inhalation Dust may irritate respiratory system. Prolonged inhalation may be harmful. Skin contact Dust or powder may irritate the skin. Eye contact Dust may irritate the eyes. Ingestion Expected to be a low ingestion hazard.

Symptoms Related to Exposure

Dusts may irritate the respiratory tract, skin and eyes.

Potential Health Effects

Prolonged inhalation may be harmful

Target Organ(s) Not found

Section 12: Ecological Information**Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment

Persistence and Degradability

Not available

Bioaccumulative Potential

Not available

Mobility in Soil

Not available

Other Adverse Effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13: Disposal Considerations**Waste Disposal**

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose in accordance with all applicable regulations. The waste code should be assigned in discussion between the user, the producer and the waste disposal company. Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Disposal of Container

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal

Other Considerations

Not available

Section 14: Transport Information**DOT Classification**

Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information**Regulations**

All components are on the U.S. EPA TSCA Inventory List. This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. US federal regulations TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated. CERCLA Hazardous Substance List (40 CFR 302.4) Not listed. SARA 304 Emergency release notification Not regulated. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not regulated. Superfund Amendments and Reauthorization Act of 1986 (SARA) Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Hazard categories SARA 302 Extremely hazardous substance Not listed. YesSARA 311/312 Hazardous chemical SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated. Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated. Not regulated. Safe Drinking Water Act (SDWA) Total food additive Direct food additive GRAS food additive Food and Drug Administration (FDA) California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

Other

Not available.



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Section 16: Other Information

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