

**CALCIUM PRODUCTS, INC.
MATERIAL SAFETY DATA SHEET**

Section 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CALCIUM PRODUCTS, INC,
P.O. Box 281
Gilmore City, IA 50548

24 Hour Emergency Number:
(515) 373-6554

MSDS Information: (800) 255-8196

PRODUCT NAME: SuperCal SO4

COMMON NAME: Gypsum, calcium sulfate dihydrate

CHEMICAL NAME: calcium sulfate dihydrate

CHEMICAL FORMULA: CaSO₄*2H₂O

Section 2 – COMPOSITION & INFORMATION ON INGREDIENTS

| INGREDIENTS | CAS REGISTRY # | % BY WEIGHT | MSHA/OSHA PEL | ACGIH TLV |
|---------------------------|----------------|-------------|--------------------------|--------------------------|
| Calcium Sulfate Dihydrate | 13397-24-5 | 85-95% | (T) 15 mg/m ³ | (I) 10 mg/m ³ |

(T) = Total dust (I) = Inhalable fraction

Section 3 - HAZARDS IDENTIFICATION

Brown granular mix with slight mineral odor

HEALTH HAZARDS: May be irritating to the respiratory tract, eyes and skin. Ingestion may cause gastrointestinal upset.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing respiratory, skin or eye conditions.

EYE CONTACT: Direct contact with dust may cause irritation by mechanical abrasion.

SKIN CONTACT: Direct contact may cause irritation by mechanical abrasion.

INGESTION: If ingested, intestinal obstruction may occur if the material hardens, especially in the pyloric region.

INHALATION: Dusts may irritate the nose, throat and respiratory tract by mechanical abrasion. Coughing, sneezing and shortness of breath may occur following exposures in excess of appropriate exposure limits.

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Section 4 – FIRST AID MEASURES

- EYES:** In case of contact, immediately flush eyes with plenty of water for a minimum of 15 minutes. Warm water is recommended but cold water may be used.
- SKIN:** In case of skin contact, immediately rinse skin with plenty of water. Cover the irritated with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation persists.
- INGESTION:** Do not induce vomiting. If conscious, have person drink plenty of water. Seek medical Attention of contact poison control center immediately.
- INHALATION:** If a person breathes large amounts of this product, move the exposed person to fresh air at once. Other measures are usually unnecessary.

Section 5 – FIRE FIGHTING MEASURES

- FLASHPOINT:** Not flammable **FLAMMABLE LIMITS IN AIR:** Not flammable
- EXTINGUISHING AGENT:** None required
- UNUSUAL FIRE AND EXPLOSION HAZARD:** None

Section 6 – ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Pick up and reuse clean materials. Dispose of waste materials only in accordance with applicable federal, state and local laws and regulations.

None of the components in this product are subject to the reporting requirements of Title III of SARA, 1986 and 40 CFR 372.

Section 7 – HANDLING AND STORAGE

Be sure proper ventilation, and respiratory and eye protection are used under dusty conditions. Dew point conditions or other conditions causing presence of moisture will harden gypsum during storage. Excessive particulate concentrations in work place air must be avoided even though it is inert and non-toxic.

Section 8 – EXPOSURE CONTROL & PERSONAL PROTECTION

- RESPIRATORY PROTECTION:** NIOSH approved particulate respirator if required.
- EYE PROTECTION:** Safety glassed with side shield, goggles or face shield recommended.
- SKIN PROTECTION:** Long sleeves, cotton gloves recommended.
- VENTILATION:** Local exhaust ventilation recommended.

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Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Brown granular mix with slight mineral odor

SPECIFIC GRAVITY: 2.6 – 2.75 (H₂O = 1)

BOILING POINT: N/A

VAPOR PRESSURE: N/A

VAPOR DENSITY IN AIR: N/A

FLASH POINT: Not Flammable

EVAPORATION RATE: Zero

SOLUBILITY IN WATER: 0-2% @ 40 C

Section 10 – STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Items listed in Incompatibility

INCOMPATIBILITY: (Materials to avoid)

Aluminum (at high temperatures), diazomethane

HAZARDOUS DECOMPOSITION PRODUCTS:

When heated to high temperatures gypsum may emit toxic fumes of oxides of sulfur and calcium.

Section 11 – TOXICOLOGICAL INFORMATION

Calcium Sulfate Dihydrate

Exposure Route: Inhalation, skin and/or eye contact.

Target Organs: Eyes, skin, respiratory system.

Acute Effect: Calcium sulfate dust has an irritant action on mucous membranes of the respiratory tract and eyes. There have been reports of conjunctivitis, chronic rhinitis, laryngitis, pharyngitis, impaired sense of smell and taste, bleeding from the nose and reactions of tracheal and bronchial membranes in exposed workers.

Section 12 – ECOLOGICAL INFORMATION

No data available

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Section 13 – **DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD

May be disposed of as an inert solid in sanitary landfill or by other procedures in accordance with all federal, state and local regulations. May be used as a supplement on land and on some agricultural products.

Section 14 – **TRANSPORT INFORMATION**

DOT HAZARD CLASSIFICATION

None

PLACARD REQUIRED

None

LABEL REQUIRED

Label as required by OSHA Hazard Communication standard [29 CFR 1910.1200 (f)], and applicable state and local regulations.

Section 15 – **REGULATORY INFORMATION**

FDA: Product is manufactured for agricultural applications. As such, FDA regulations do not apply.

Section 16 – **OTHER INFORMATION**

CFR: US Code of Federal Regulations

DOT: Department of Transportation

IARC: International Agency for Research on Cancer

IDLH: Immediately Dangerous to Life and Health

NIOSH: National Institute for Occupational Safety and Health, US Department of Health and Human Services

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration, US Department of Labor

PEL: Permissible Exposure Limit

SARA Title III: Title III of the Superfund Amendments and Reauthorization Act, 1986

TLV: Threshold Limit Value

TWA: Time-weighted Average

FDA: Food and Drug Administration