

Safety Data Sheet

Section 1: Identification

Product identifier

- Product Name** • **Pennington Fast Acting Gypsum**
- Synonyms** • 100525947; 423008; UPC #: 0-21496-01658-0; UPC: #: 0-21496-00850-9
- Product Description** • Brown granule mix.

Relevant identified uses of the substance or mixture and uses advised against

- Recommended use** • Gypsum soil amendment.
- Restrictions on use** • Keep out of the reach of children and domestic animals. Avoid contact with eyes, skin or clothing. Avoid breathing dust

Details of the supplier of the safety data sheet

- Manufacturer** • Gro Tec, Inc.
P.O. Box 290
Madison , GA 30650
United States
- www.pennington.com

Emergency telephone number

- Manufacturer** • 1-800-424-9300 - CHEMTREC - For transportation related emergencies
- Manufacturer** • 1-703-527-3887 - CHEMTREC - Outside US collect calls accepted

Section 2: Hazard Identification

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

- OSHA HCS 2012** • Not classified; does not meet hazard criteria.

Label elements

- OSHA HCS 2012**
- Hazard statements** • No label element(s) required

Other hazards

- OSHA HCS 2012** • This product is not considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

Section 3 - Composition/Information on Ingredients

Substances

- Material does not meet the criteria of a substance according to United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Mixtures

Composition		
Chemical Name	Identifiers	%
Calcium sulfate - dihydrate (CaSO ₄ - 2H ₂ O)	CAS:10101-41-4	96.5%
Calcium lignosulfonate	CAS:8061-52-7	2%
Anionic polyacrylamide	NDA	1.5%

Section 4: First-Aid Measures

Description of first aid measures

Inhalation

- IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms occur.

Skin

- IF ON SKIN: Wash skin with soap and water. If irritation develops and persists, get medical attention.

Eye

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or doctor for treatment advice.

Ingestion

- IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

- Treat symptomatically and supportively.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media • Use appropriate extinguishing media for surrounding fire.

Unsuitable Extinguishing Media • Avoid heavy hose streams.

Firefighting Procedures • Do not allow fire fighting water to escape into waterways or sewers.

Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards**
- No data available
- Hazardous Combustion Products**
- Non-combustible, substance itself does not burn but may react upon heating to produce corrosive and/or toxic fumes which may include sulfur oxides.

Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- Avoid contact with skin, eyes, and clothing. Wear appropriate personal protective equipment, avoid direct contact.

- Emergency Procedures**
- No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended.

Environmental precautions

- Avoid run off to waterways and sewers.

Methods and material for containment and cleaning up

- Containment/Clean-up Measures**
- Use appropriate Personal Protective Equipment (PPE).

Section 7 - Handling and Storage

Precautions for safe handling

- Handling**
- Wash hands thoroughly with soap and water after handling. Wear appropriate personal protective equipment, avoid direct contact.

Conditions for safe storage, including any incompatibilities

- Storage**
- Keep out of reach of children. Keep container/package tightly closed and in a well-ventilated place.

- Incompatible Materials or Ignition Sources**
- Do not store near hazardous or toxic substances. Heat, sparks, open flame.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines			
	Result	ACGIH	OSHA
Calcium sulfate - dihydrate (CaSO4 - 2H2O)	TWAs	10 mg/m3 TWA (inhalable fraction, listed under Calcium sulfate)	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction) <i>as Particulates not otherwise classified (PNOC)</i>

Exposure Limits Supplemental

OSHA

• Calcium sulfate - dihydrate (CaSO₄ - 2H₂O) as Particulates not otherwise classified (PNOC): **Mineral Dusts:** (15 mppcf TWA (respirable fraction); 5 mg/m³ TWA (respirable fraction); 50 mppcf TWA (total dust); 15 mg/m³ TWA (total dust))

ACGIH

• Calcium sulfate - dihydrate (CaSO₄ - 2H₂O) (10101-41-4): **TLV Basis - Critical Effects:** (nasal symptoms (listed under Calcium sulfate))

Exposure controls

Engineering

- No data available

Measures/Controls

Personal Protective Equipment

Pictograms



Respiratory

- If airborne dust is present or in case of inadequate ventilation, use appropriate NIOSH approved respiratory protection.

Eye/Face

- Wear safety glasses.

Hands

- Wear appropriate gloves.

Skin/Body

- It is recommended for handlers to wear appropriate clothing to prevent skin contact including long sleeves, long pants, socks and shoes.

General Industrial Hygiene Considerations

- Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls

- No data available

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Brown granule mix.
Color	Brown	Odor	Mineral
Odor Threshold	No data available		
General Properties			
Boiling Point	No data available	Melting Point/Freezing Point	No data available
Decomposition Temperature	No data available	pH	No data available
Specific Gravity/Relative Density	2.6 to 2.75 Water=1	Water Solubility	Insoluble
Viscosity	Not relevant		
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available	VOC (Wt.)	0 %
Flammability			
Flash Point	Not relevant	UEL	No data available
LEL	No data available	Heat of Combustion (ΔHc)	No data available
Flammability (solid, gas)	No data available		
Environmental			
Octanol/Water Partition coefficient	No data available		

Section 10: Stability and Reactivity

Reactivity

- No dangerous reaction known under conditions of normal use.

Chemical stability

- Stable

Possibility of hazardous reactions

- Hazardous polymerization will not occur.

Conditions to avoid

- No data available.

Incompatible materials

- No data available.

Hazardous decomposition products

- Non-combustible, substance itself does not burn but may decompose upon heating to produce toxic fumes which may include sulfur oxides.

Section 11 - Toxicological Information

Information on toxicological effects

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral - Classification criteria not met
Skin corrosion/Irritation	OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	OSHA HCS 2012 • Classification criteria not met
Skin sensitization	OSHA HCS 2012 • Classification criteria not met
Respiratory sensitization	OSHA HCS 2012 • Classification criteria not met
Aspiration Hazard	OSHA HCS 2012 • Classification criteria not met
Carcinogenicity	OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met
STOT-SE	OSHA HCS 2012 • Classification criteria not met
STOT-RE	OSHA HCS 2012 • Classification criteria not met

Potential Health Effects

Inhalation

- Acute (Immediate) • May cause respiratory irritation.
- Chronic (Delayed) • No data available

Skin

- Acute (Immediate) • Exposure to dust may cause mechanical irritation.
- Chronic (Delayed) • Long-term exposure and may cause redness or chafing.

Eye

- Acute (Immediate)** • Exposure to dust may cause mechanical irritation.
- Chronic (Delayed)** • No data available
- Ingestion**
- Acute (Immediate)** • May cause irritation.
- Chronic (Delayed)** • No data available
- Other**
- Chronic (Delayed)** • No data available.
- Mutagenic Effects** • No data available.
- Carcinogenic Effects** • No component in this product present at 0.1% or greater is listed by IARC, OSHA or NTP.
- Reproductive Effects** • No data available.

Section 12 - Ecological Information

- Toxicity**
- No data available

- Persistence and degradability**
- No data available

- Bioaccumulative potential**
- No data available.

- Mobility in Soil**
- No data available.

- Other adverse effects**
- Potential Environmental Effects** • No data available.

Section 13 - Disposal Considerations

- Waste treatment methods**
- Product waste** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
- Packaging waste** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	Not Applicable	Not Regulated	Not Applicable	Not Applicable	Not Applicable
IMO/IMDG	Not Applicable	Not Regulated	Not Applicable	Not Applicable	Not Applicable
IATA/ICAO	Not Applicable	Not Regulated	Not Applicable	Not Applicable	Not Applicable

- Special precautions for user** • None specified.
- Transport in bulk according to Annex II of MARPOL 73/78** • No data available

and the IBC Code

Other information

IMO/IMDG • No data available

IATA/ICAO • No data available

Section 15 - Regulatory Information

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

SARA Hazard Classifications • None

Inventory		
Component	CAS	TSCA
Calcium lignosulfonate	8061-52-7	Yes
Calcium sulfate - dihydrate (CaSO4 - 2H2O)	10101-41-4	No

Section 16 - Other Information

Revision Date • 02/September/2016

Last Revision Date • 02/September/2016

Preparation Date • 02/September/2016

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