



Pony Testing International Group

Report ID: 1001062-223

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## Material Safety Data Sheet

### PLASTER OF PARIS BANDAGE

#### Section 1 - Chemical Product and Company Identification

**Sample Name: PLASTER OF PARIS BANDAGE**

#### Section 2 - Composition, Information on Ingredients

Chemical Name	Molecular Formula	Percent (by weight)	CAS No.	EC#
Calcium sulfate hemihydrate	$\text{CaSO}_4 \cdot 1/2\text{H}_2\text{O}$	94.2%	10034-76-1 26499-65-0	Unlisted
Calcium sulfate dihydrate	$\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$		13397-24-5	Unlisted
Calcium sulfate	$\text{CaSO}_4$		7778-18-9	231-900-3
Gauze (Cotton)	N/A	5.8%	N/A	N/A

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(3)《检测报告》采用的防伪纸张内部亦加带有高科技“PONY”防伪水印，只有在验钞机等紫外光源下方可见出蓝色荧光防伪水印。

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## Section 3 - Hazards Identification

### EMERGENCY OVERVIEW

This product should not present a health hazard when used under reasonable conditions. Exposure to dust may be irritating to eyes, nose, and throat.

Target Organs: Eye, respiratory tract.

UN Hazard Class: None.

Potential Health Effects:

- **Eye:** No health effects are expected when used under reasonable conditions. Direct contact may cause mechanical irritation.
- **Skin:** No health effects are expected when used under reasonable conditions. Continued and prolonged contact may result in dry skin.
- **Ingestion:** Ingestion of this product is unlikely.
- **Inhalation:** No health effects are expected when used under reasonable conditions. Breathing dust of this product may cause coughing, general irritation of the nose, throat, and upper respiratory tract

## Section 4 - First Aid Measures

**Eyes:** If contact with eyes, flush with plenty of water, occasionally lifting the upper and lower eyelids. Avoid rubbing eyes. Seek medical attention if necessary.

**Skin:** If a reaction with skin contact occurs, wash the affected area with soap and/or water. Seek medical attention if irritation persists.

**Inhalation:** If inhaled, remove to fresh air. Seek medical aid if cough or other symptoms appear.

**Ingestion:** Ingestion of this material is unlikely. If it does occur, do not induce vomiting unless directed to do so by medical personnel. If conscious and alert, rinse mouth. Seek medical attention if necessary.

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## Section 5 - Fire Fighting Measures

**General Information:** Not combustible. As in any fire, wear a self-contained breathing apparatus in pressure-demand and full protective gear.

**Extinguishing Media:** Use agent most appropriate to extinguish surrounding fire.

## Section 6 - Accidental Release Measures

**General Information:** Ventilate spill area. Avoid breathing dust and fume. Review Section 5 and Section 7 sections before proceeding with clean-up. Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Remove all sources of ignition. Collect up, and then place into a suitable container for disposal or recycle. Avoid generating dusty conditions. If appropriate, moisten first to prevent dusting. If washed down, may plug drains. If already mixed with water, scrape up and place in container.

## Section 7 - Handling and Storage

**General Information:** This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. Smoking should be prohibited in areas where this material is stored.

**Storage:** Store in a cool, dry, well-ventilated area away from source of heat or ignition. Keep away from incompatible substances. The storage area should be equipped with the corresponding species and quantity of fire equipment.

**Handling:** Use with appropriate ventilation. Keep away from source of heat or ignition. Keep away from incompatible substances. Minimize dust generation and accumulation. Avoid dust contact with eyes. Avoid breathing dust. Avoid ingestion. The work area should be equipped

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with the corresponding species and quantity of fire equipment.

Section 8 - Exposure Controls, Personal Protection

Exposure Limit:

Composition: Calcium sulfate

- TLV-TWA 10 mg/m³ (ACGIH, inhalable fraction, particulate matter containing no asbestos and <1% crystalline silica)
- PEL-TWA 15 mg/m³ (OSHA, total)
- PEL-TWA 5 mg/m³ (OSHA, respirable fraction)
- REL-TWA 10 mg/m³ (NIOSH, total)
- REL-TWA 5 mg/m³ (NIOSH, respirable fraction)

Monitoring Methods: No information found.

Engineering Controls: Provide local exhaust ventilation to maintain a dust level below the permissible exposure limits. Utilize wet methods, when appropriate, to reduce generation of dust. Equipped with safety shower and eyes bath.

Personal Protective Equipment:

- > Eyes: No special requirement under normal use. Use appropriate safety glasses when there is the risk of contact.
> Skin and Clothing: No special requirement under normal use. It is recommended to wear appropriate protective gloves and clothing when there is the risk of greater exposure.
> Respirators: No special requirement under normal use. An appropriate respirator or mask should be used whenever workplace conditions warrant a respirator's use. A full face positive pressure supplied-air respirator or a self contained breathing apparatus should be used when large spilled or fire.
> Other Protection: To maintain good health habits. Smoking should be prohibited in areas where this material is stored.

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## Section 9 - Physical and Chemical Properties

**Physical State:** White plaster bandage, odorless.

**Molecular Formula:** Mixture.

**Molecular Weight:** N/A

**PH:** N/A

**Flash Point:** N/A

**Boiling Point:** N/A

**Melting Point:** N/A

**Relative density (water=1):** N/A

**Viscosity:** N/A

**Ignition Temperature (°C):** N/A

**Explosion Limits [% (V/V)]:** N/A

**Water Solubility:** N/A

**Chemical Uses:** Medical.

## Section 10 - Stability and Reactivity

**Chemical Stability:** Hygroscopic. Stable under normal condition.

**Conditions to Avoid:** Excess heat, any source of ignition, incompatible materials, dust generation, moisture.

**Incompatibilities with Other Materials:** Aluminium, strong acids.

**Hazardous Decomposition Products:** Oxides of sulfur, calcium oxide, and etc.

**Hazardous Polymerization:** Will not occur.

## Section 11 - Toxicological Information

**Toxicological Information:**

**Composition:** CAS# 10034-76-1

- No date available.

**Composition:** CAS# 26499-65-0

- RTECS# TP070000

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**Composition: CAS# 13397-24-5**

- RTECS# MG2360000

**Composition: CAS# 7778-18-9**

- RTECS# WS6920000

**Carcinogenicity:**

**Composition: CAS# 10034-76-1**

- Not listed by ACGIH, IARC, NTP, or CA Prop 65.

**Composition: CAS# 26499-65-0**

- Not listed by ACGIH, IARC, NTP, or CA Prop 65.

**Composition: CAS# 13397-24-5**

- Not listed by ACGIH, IARC, NTP, or CA Prop 65.

**Composition: CAS# 7778-18-9**

- Not listed by ACGIH, IARC, NTP, or CA Prop 65.

**Sensitization Rate: Not available.**

**Teratogenicity: Not available.**

## Section 12 - Ecological Information

**Ecological Toxicity: Not available.**

**Ecological Degradation: Not available.**

**Biology Degradation: Not available.**

## Section 13 - Disposal Considerations

The generation of waste should be avoided or minimized wherever possible. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

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## Section 14 - Transport Information

**Not regulated as a hazardous material for transportation. (TDG; IMDG CODE; IATA DGR)**

**UN: N/A**

**UN Hazard Class: N/A**

**Packaging Sign: N/A**

**Shipping Name: N/A**

**Packaging Category: N/A**

**Transport Fashion: By air, by sea, by rail, by road.**

## Section 15 - Regulatory Information

**Regulatory Information: Reference to the local, national, US, EU, CA and international regulations.**

**TSCA: CAS# 10034-76-1, CAS# 26499-65-0, CAS# 13397-24-5 and CAS# 7778-18-9 are listed.**

**Canada: CAS# 10034-76-1, CAS# 26499-65-0 and CAS# 13397-24-5 are unlisted. CAS# 7778-18-9 is listed in DSL.**

**OSHA: CAS# 10034-76-1 is unlisted. CAS# 26499-65-0, CAS# 13397-24-5 and CAS# 7778-18-9 are listed.**

**California Prop 65: CAS# 10034-76-1, CAS# 26499-65-0, CAS# 13397-24-5 and CAS# 7778-18-9 are unlisted.**

**European Labeling in Accordance with EC Directives:**

**Hazard Symbols: None.**

**Risk Description: None.**

**Safety Description: None.**

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## Section 16 - Additional Information

**Issue Time: 2010-01-12****Issue Department: Technical department****Data review unit:****Modification record:****Notice to reader**

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

**Other Information:**

ACGIH: (American Conference of Governmental Industrial Hygienists); CAS (Chemical Abstracts Service); DSL: (the Domestic Substances List of Canada); EC: (European Commission); IARC: (International Agency for Research on Cancer); IATA: (International Air Transport Association); IECSC: (Inventory of Existing Chemical Substances in China); IMDG: (International Maritime Dangerous Goods); LD50: (Lethal dose, 50 percent kill); NIOSH: (US National Institute for Occupational Safety and Health); NTP: (US National Toxicology Program); OSHA: (US Occupational Safety and Health); PEL: (Permissible Exposure Level); REL: (Recommended Exposure Limit); RCRA: (Resource Conservation and Recovery Act); RTECS: (Registry of Toxic Effects of Chemical Substances); STEL: (Short Term Exposure Limit); TDG: (Recommendations on the TRANSPORT OF DANGEROUS GOODS Model Regulations); TSCA: (Toxic Substances Control Act of USA); TWA: (Time Weighted Average); TLV: (Threshold Limit Value)

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