

# MSDS Report

Sample Description

Plaster of paris bandage

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Applicant

Anji Wande Medical Products Co., Ltd

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## Material Safety Data Sheet

Plaster of paris bandage

### Section 1 - Chemical Product and Company Identification

**Product name :** Plaster of paris bandage

**Chemical name :** Plaster of paris bandage

**Manufacturer :** Anji Wande Medical Products Co., Ltd

**Address :** Shangshu Industrial Zone, Anji County, Zhejiang

**Post code :** 313302

**TEL :** +86-572-5528222

**Emergency telephone :** +86-572-5528222

**FAX :** +86-572-5528111

**Email :** wande@zjwande.com

### Section 2 – Composition/Information on Ingredient

#### Chemical composition

Chemical name	CAS No.	Formula	Composition	EC No.
Calcium sulfate	7778-18-9	CaSO <sub>4</sub>	80%	231-900-3
Gauze	/	/	10%	/
Glue	/	/	9%	/
Methanol	67-56-1	CH <sub>4</sub> O	1%	200-659-6

### Section 3 - Hazards Identification

#### Potential Health Effects

**Eye:** Dust may be released when cutting and removing the set bandage, which may enter the eye and may cause mechanical irritation.





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**Skin:** No special hazard risk under normal use. If warm water ( $>25^{\circ}\text{C}$ ) is used to wet the bandage, the setting Plaster of Paris may generate a temperature high enough to cause a burn.

**Ingestion:** Ingestion of Plaster of Paris bandage before being wetted may result in hardening after absorbing moisture from the G.I. tract. Plaster hardens when wetted and may result in an obstruction. Large oral doses may result in gastrointestinal disturbances and irritation.

**Inhalation:** Dust may be released when cutting and removing the set bandage which may irritate the mucous membranes of the respiratory tract. Possible nuisance dust effect, sneezing or coughing.

#### Section 4-First Aid Measures

**Eyes:** Flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. If irritation develops, get medical aid.

**Skin:** Wash with soap and water. Get medical attention if irritation develops or persists.

**Ingestion:** Plaster hardens when wetted and ingestion may result in obstruction. Seek immediate medical attention.

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

#### Section 5 - Fire Fighting Measures

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Combustion generates toxic fumes.

**Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam.

#### Section 6 - Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.





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**Spills/Leaks:** Sweep up and place in suitable containers for recycle or disposal. Remove all ignition sources. Keep away from heat and flame. Avoid breathing dust, vapour, smoke. Do not let product enter drains.

## Section 7 - Handling and Storage

**Handling:** In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Do not puncture or open the pouch unless the product is to be used immediately. Observe good housekeeping and sanitary procedures. Avoid contact with high humidity conditions. Do not eat, drink or smoke while handling the product. Keep away from sources of ignition.

**Storage:** Store in cool, dry, well-ventilated area. Keep away from heat and high humidity. Protect product from moisture. Exposure to water, including ambient humidity, will result in hardening.

## Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:** Ensure adequate wetting of the bandage, in water at 20-25°C, in accordance with the instructions for applying the bandage (see the instructions provided with the product). Where set bandages are removed by cutting, ensure good dilution ventilation. Take action to control dust levels being generated. Consider tools with local exhaust extraction built in.

### Individual Protection for Industrial Use

**Eyes:** Wear safety glasses with side shields or safety goggles.

**Skin:** Wear impervious gloves

**Clothing:** Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.





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## Section 9 - Physical and Chemical Properties

<b>Physical State:</b>	Bandages.
<b>Color:</b>	White
<b>Odor:</b>	Odorless
<b>pH:</b>	Not available
<b>Vapor Pressure:</b>	Not available
<b>Boiling Point:</b>	Not applicable
<b>Freezing/Melting Point:</b>	Not available
<b>Autoignition Temperature:</b>	Not available
<b>Flash Point:</b>	Not applicable
<b>Explosion Limits: Lower:</b>	Not applicable
<b>Explosion Limits: Upper:</b>	Not applicable
<b>Decomposition Temperature:</b>	Not available
<b>Solubility in water:</b>	Insoluble
<b>Specific Gravity/Density:</b>	Not available

## Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures.

**Conditions to Avoid:** Incompatible materials, Exposure to excessive heat or moisture contamination, high humidity.

**Incompatibilities with Other Materials:** Strong oxidizing agents and ionic aluminum and magnesium.

**Hazardous Decomposition Products:** Carbon monoxides, carbon dioxides, oxides of sulfur and potassium

**Hazardous Polymerization:** Will not occur.

## Section 11 - Toxicological Information

**RTECS#:** CAS# 7778-18-9: WS6920000

CAS# 67-56-1: PC1400000





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**LD50/LC50:** Not available

**Carcinogenicity:** Calcium sulfate - No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Gauze- The toxicological properties have not been thoroughly investigated.

Glue- The toxicological properties have not been thoroughly investigated.

Methanol - No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Other:** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### Section 12 - Ecological Information

**Ecotoxicity:** CAS# 7778-18-9: Fish: *Lepomis macrochirus*: LC50 = 2.980 mg/l/ 96 h;

**Other:** Do not empty into drains.

### Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state and local regulations.

### Section 14 - Transport Information

	IATA	IMDG	RID/ADR
<b>Proper shipping name</b>	Not regulated	Not regulated	Not regulated
<b>Hazard class</b>			
<b>Un number</b>			
<b>Packing group</b>			

### Section 15 - Regulatory Information

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





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**Hazard Symbols:** Not available

**Risk Phrases:** Not available

**Safety Phrases:**

S 22 Do not breathe dust.

S 24/25 Avoid contact with skin and eyes.

## Section 16 - Additional Information

**MSDS Creation Date:** Jun 08, 2009

The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.