

SAFETY DATA SHEET

MSDS test date: 08-06-2009

ISSUE NO: **2**

1: IDENTIFICATION OF THE COMPANY, IDENTIFICATION OF THE SUBSTANCE AND PRECAUTIONS NECESSARY

Product name: Plaster of Paris Bandage

Product References: 6cm modroc; 8cm modroc; 12cm modroc; 15cm modroc

Supplier: Mb Fibreglass
Unit 17 & 20 Abbey Business Park
Mill Road
Newtownabbey
Co. Antrim
BT36 7EE

Tel: 02890 861992

2: COMPOSITION / INFORMATION ON CONTENTS

Base material of bleached cotton gauze impregnated with Calcium Sulphate-Hemihydrates (Ca. SO₄. ½ H₂O) consisting of both α and β crystals and bonded with suitable non-toxic adhesive.

Chemical name	CAS No	Formula	Composition
Calcium sulfate	7778-18-9	CaSO ₄	80%
Gauze	-	/	10%
Glue	-	/	9%
Methanol	67-56-1	CH ₄ O	1%

3: HAZARDS IDENTIFICATION

Skin – No special hazard risk under normal use.

The bandage should be wetted with cold or luke warm water only as wetting with hotter water over 25 degrees centigrade may raise the temperature of the plaster and potentially cause a burn

Ingestion – Plaster of paris bandage should not be ingested (eaten) and the plaster from the bandage should not be ingested. As plaster hardens when it is wetted, it could cause an obstruction and large oral doses could cause irritation

Inhalation – Avoid sawing the bandage and take care when cutting it as plaster of paris dust will be released which may cause respiratory irritation leading to coughing etc.

4: FIRST-AID MEASURES

- After inhalation:** Remove to fresh air. If not breathing give artificial respiration and immediately seek medical attention. Medical attention is also recommended if a cough or other symptoms appear
- After skin contact:** Wash skin with soap and water after use.
Advise wearing suitable impervious gloves due to possible skin irritation.
Seek medical attention if irritation develops or persists
- After eye contact:** Should eye contact occur irrigate well with clean water for at least 15 minutes by separating the eyelid
- After consumption:** In case of ingestion **DO NOT** induce vomiting but seek medical aid.

5: FIRE FIGHTING MEASURES

- Extinguishing Media:** Combustion may generate toxic fumes and as in any fire, self-contained breathing apparatus should be worn. Use water spray, dry chemical, carbon dioxide or chemical foam extinguishers
- Hazardous Combustion Products:** None known. Product is non-flammable or explosive and hardens with water to Calcium Sulphate Dihydrates and should be removed mechanically.

6: WASTE/SPILLS DISCHARGE MEASURES

- Personal Precautions:** Wear adequate protective clothing, avoid eye & skin contact & dust inhalation
- Environmental Precautions:** Prevent contamination of surface and ground water.
- Spills/Leaks:** Wearing a face mask to avoid dust inhalation, sweep up and place in suitable container for disposal
- Methods of Cleaning:** Remove mechanically and dispose in accordance with section 13.

7: HANDLING AND STORAGE

- HANDLING:** Handle with care, following instructions given. Wash thoroughly after use. Use with adequate ventilation. Minimise dust generation/accumulation. Avoid high humidity as activated by water. Protect from moisture. Do not eat, drink or smoke while handling. Keep away from sources of ignition.
- STORAGE:** Store in a cool, dry, well-ventilated area. Keep away from high heat and humidity. Protect from moisture. Exposure to water will result in hardening. Observe good housekeeping in relation to dust control.

8: LIMITATION OF EXPOSURE/PERSONAL PROTECTION FOR INDUSTRIAL USE

- Exposure Guideline:** None established. Use suitable personal protective equipment.
- Respiratory:** Use a suitably approved dust mask or respirator. Follow the respirator regulations found in European Standard EN149
- Skin Protection:** Wear impervious gloves.
- Eye Protection:** Use suitably recommended safety goggles for industrial use

ENGINEERING CONTROLS

Ensure adequate wetting of the bandage at around 20 degree centigrade water temperature. Avoid wetting with higher temperature water. Where bandage is removed by cutting/sawing, ensure good dilution ventilation. Take action to control dust levels being generated and consider tools with dust

extraction built in

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Coarse bandage impregnated with white powder.

Colour: White.

Odour : odourless

Solubility in water : insoluble

PH, Vapour Pressure, Freezing/Melting Point, Autoignition Temperature, Decomposition Temperature and Gravity/Density are not available. All other properties are not applicable

10: STABILITY AND REACTIVITY

Chemical: Stable under normal temperature and pressure conditions.

Materials & Conditions To Avoid: Avoid incompatible materials - acids, oxidising agents, ionic aluminium and magnesium. Avoid excessive heat or humidity or moisture contamination

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

Hazardous polymerization : will not occur

11: TOXICOLOGICAL INFORMATION

RTEC# : CAS# 7778-18-9 : WS6920000 CAS# 67-56-1 : PC1400000

LD50/LC50 Not available

Carcinogenicity – calcium sulfate – no component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC

Methanol – no component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC

Gauze and glue – not thoroughly investigated

Acute Toxicity: Ingestion – No data available.

Skin – No data available.

Inhalation – No data available.

Irritation: Skin – Prolonged or repeated exposure may cause irritation.

Eyes – May cause moderate eye irritation.

Inhalation – May cause minor irritation after prolonged exposure.

12: ECOLOGICAL INFORMATION

Mobility: No data available.

Bio Accumulation Potential: No data available.

Degradation: No data available.

Aquatic Toxicity: CAS# 7778-18-9 : Fish: *Lopomis macrochirus*:LC50=2.980 mg/l/96 h

13: DISPOSAL CONSIDERATIONS

Classified as normal domestic waste. Dispose of in a manner that is consistent with federal, state and local regulations. Do not empty plaster filled water into drains

14: TRANSPORT INFORMATION

Freight classification: This product is not classified as dangerous for carriage

15: REGULATORY INFORMATION

Hazard Symbol: None required.

Risk Phrases: None required.

Safety Phrases: None required.

16: ADDITIONAL INFORMATION

Data source: Raw material supplier's Health & Safety Data Sheets
and Independent House Testing by Pony Testing International Group

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 thereof 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.