



Material Data Sheet

SECTION 1 - IDENTIFICATION OF PRODUCT AND COMPANY

PRODUCT NAME: Plaster of Paris Bandage (Modroc)
SUPPLIER: DWR plastics Ltd
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SECTION 2 - COMPOSITION

CHEMICAL NAME	CAS NO.	FORMULA	COMPOSITION	EC NO.
Calcium Sulphate	7778-18-9	CaSO ₄	80%	231-900-3
Gauze	/	/	10%	/
Glue	/	/	9%	/
Methanol	67-56-1	CH ₄ O	1%	200-659-6

SECTION 3 - HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

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

SKIN: No special hazard risk under normal use. If warm water (>25°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

EYE CONTACT: 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 CONTACT: 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.

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, or 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 a 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 AND 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

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Bandages
COLOUR:	White
ODOUR:	Odourless
pH:	N/A
VAPOUR PRESSURE:	N/A
BOILING POINT:	N/A
FREEZING/MELTING POINT:	N/A
AUTOIGNITION TEMPERATURE:	N/A
FLASH POINT:	N/A
LOWER EXPLOSION LIMIT:	N/A
UPPER EXPLOSION LIMIT:	N/A
DECOMPOSITION TEMPERATURE:	N/A
SOLUBILITY IN WATER:	Insoluble
SPECIFIC GRAVITY/DENSITY:	N/A

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 aluminium and magnesium.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxides, carbon dioxides, oxides of sulphur and potassium.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

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

LD50/LC50: Not available

CARCINOGENICITY: Calcium sulphate - 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/1/96 h:

OTHER: Do not empty into drains.

SECTION 13 - DISPOSAL INFORMATION

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

SECTION 14 - TRANSPORT INFORMATION

	IATA	IMDG	RID/ADR
PROPER SHIPPING NAME	Not regulated	Not regulated	Not regulated
HAZARD CLASS	/	/	/
UN NUMBER	/	/	/
PACKING GROUP	/	/	/

SECTION 15 - REGULATORY INFORMATION

REGULATORY INFORMATION: Refer to the local, national and EU/International regulations

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 - OTHER INFORMATION

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