



## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name : BARITE 4.10  
Product Name : Barite Powder 4.1 SG  
Application : Weighting Material  
Supplier : MPL Products  
Address : 26 Baddesley Way, Canning Vale, Western Australia,  
Australia - 6155  
Tel/Fax. : +61 421837661  
Email : [info@mplproducts.com.au](mailto:info@mplproducts.com.au)  
Website : [www.mplproducts.com.au](http://www.mplproducts.com.au)

## SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	% By Weight
Barium Sulphate	7727-43-7	90 - 100%
Silica, Crystalline, Quartz	14808-60-7	1 - 5%

## SECTION 3 – HAZARD IDENTIFICATION

### Emergency overview:

Caution! May Cause eye, skin and respiratory tract irritation. Avoid contact with eyes, skin and clothing. Avoid breathing airborne products. Keep the container closed. Use with adequate ventilation. Wash thoroughly after handling. This product is a transparent tan to powder. Slippery when wet. A nuisance dust.

**Health Hazardous:** Particulates may cause mechanical irritation to the eyes, nose, throat and lungs. Particulate inhalation may lead to pulmonary fibrosis, chronic bronchitis, emphysema and bronchial asthma. Dermatitis and asthma may result from short contact periods.

**Inhalation:** May be irritating to the respiratory tract if inhaled.

**Ingestion:** may cause gastric distress, nausea and vomiting if ingested.

**Skin:** May be irritating to the skin.

**Eyes:** May be irritating to the eyes.

### CHRONIC EFFECTS:

Carcinogenicity: IARC : Not listed, OSHA: Not regulated, NTP : Not listed.

Attention ! Cancer Hazard. Contains crystalline silica which can cause cancer. Risk of cancer depends on duration and level of exposure. IARC Monographs, Vol. 68, 1997, concludes that there is sufficient evidence that inhaled crystalline silica in the form of quartz or cristobalite from occupational sources causes cancer in humans, IARC classification

Group 1.

Route of Entry : Inhalation. Skin and /or eye contact.

Target Organs: Respiratory system, lungs. Skin. Eyes.

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## SECTION 4 – FIRST AID MEASUREMENT

**Inhalation** : Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Get medical attention.

**Ingestion** : Drink a couple of glasses of water or milk. Do not give the victim anything to drink if he is unconscious. Get medical attention.

**Skin** : Immediately remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

**Eyes** : Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

## SECTION 5 – FIRE FIGHT MEASURES

Flammability of the Product : Non-flammable.

Auto-Ignition Temperature : Not applicable.

Flash Points : Not applicable.

Flammable Limits : Not applicable.

Products of Combustion : Not available.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances: Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available. Fire Fighting Media and Instructions: Not applicable.

## SECTION 6 – ACCIDENTAL RELEASE MEASURE

**Small Spill**: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of it according to local and regional authority requirements.

**Large Spill**: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow it to evacuate through the sanitary system.

## SECTION 7 - HANDLING AND STORAGE

**Precautions**: Do not ingest. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids.

**Storage**: Keep container tightly closed. Keep the container in a cool, well-ventilated area. Hygroscopic.

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use appropriate engineering controls such as, exhaust ventilation and process enclosure, to reduce air contamination and keep worker exposure below the applicable limits.

Ventilation: Supply natural or mechanical ventilation adequate to exhaust airborne product and keep exposures below the applicable limits. Respirators: Use a NIOSH

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approved P2/N95 dust-mask disposable or reusable particulate respirator. In work environments containing oil mist/aerosol use at least a NIOSH-approved P95 half mask disposable or reusable particulate respirator. For exposures exceeding 10x PEL use a NIOSH-approved N100 particulate respirator. Protective Gloves: Use suitable protective gloves if risk of skin contact. Eye Protection: Wear dust resistant safety goggles where there is danger of eye contact. Hygienic Work Practices: Wash promptly with soap and water if skin becomes contaminated. Change work clothing daily if there is any possibility of contamination.

## **SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

Physical state and appearance : Solid (Powdered solid.)

Odor : Odorless.

Taste : Chalky

Molecular Weight : 100.09 g/mole

Color : Tan to grey Solubility in water : Insoluble

Boiling Point : Not available.

Critical Temperature : Not available.

Specific Gravity : 4.10 (Water = 1)

Vapor Pressure : Not applicable.

## **SECTION 10 – CHEMICAL STABILITY AND REACTIVITY INFORMATION**

**Stability** : The product is stable.

**Instability Temperature** : Not available.

**Conditions of Instability** : Incompatible Materials .

**Special Remarks on Corrosivity** : Not available.

**Polymerization** : Will not occur.

## **SECTION 11 – TOXICOLOGICAL INFORMATION**

No toxicological data is available for this product

## **SECTION 12 – ECOLOGICAL INFORMATION**

Acute Aquatic Toxicity: This product passes the mysid shrimp toxicity test required by the US Environmental Protection Agency(EPA) Region VI(Gulf of Mexico) NPDES Permit, which regulates offshore discharge of drilling fluids, when tested in standard drilling fluids.

## **SECTION 13 – DISPOSAL CONSIDERATION**

Waste Management: This product does not meet the criteria of a hazardous waste if discarded in its purchased form. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixtures, processes, etc, may render the resulting materials hazardous. Empty containers retain residues. All labelled precautions must be observed. Disposal Methods: Recover and reclaim or recycle, if practical. Should this product become a waste, dispose of in a permitted industrial landfill. Ensure that containers are empty by RCRA criteria prior to disposal in a permitted industrial landfill.

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## **SECTION 14 – TRANSPORTATION INFORMATION**

Product RQ: NA US DOT  
US DOT  
Class Not regulated  
CANADIAN Transport  
TDGR Class: Not regulated  
Sea Transport  
IMDG Class Not regulated  
Air transport  
ICAO Class: Not regulated

## **SECTION – 15 REGULATORY INFORMATION**

US Federal Regulations:

Waste Classification: Not a hazardous waste by U.S RCRA criteria. See Section 13.

Regulatory status: This product or its components, if a mixture, is subject to following regulations (Not meant to be all inclusive - selected regulations represented.)

Section 313: This product does not contain toxic chemicals subject to the reporting requirements of Section 313 of Title III of the superfund amendment and reauthorization Act of 1986 and 40 CFR part 372 Sara

311 Categories:

1. Immediate (Acute) Health effects.
2. Delayed (chronic) Health effects. The components of this product are listed on or are exempt from the following international chemical registries:

TSCA (US)

DSL (Canada)

EINECS (Europe)

AICS (Australia)

ENCS (Japan)

KECL (S.Korea)

## **SECTION 16 – OTHER INFORMATION**

THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE AND IS OFFERED IN GOOD FAITH FOR THE USER'S CONSIDERATION AND INVESTIGATION. USERS OF THIS MATERIAL SHOULD SATISFY THEMSELVES BY INDEPENDENT INVESTIGATION OF CURRENT SCIENTIFIC AND MEDICAL INFORMATION THAT IS MATERIAL MAY BE SAFELY HANDLED.

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