



MATERIAL SAFETY DATA SHEET

BARYTE

SUPPLIER: CEBO UK LIMITED
BADENTOY ROAD
PORTLETHEN
ABERDEEN AB12 4YA

TELEPHONE: 01224 782020 (24 HOURS)

CONTACT: DUTY MANAGER

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION

- 1.1 Identification of the Substance: Baryte OCMA/API.
- 1.2 Trade Name: Baryte.
- 1.3 Product Application: Weighting Agent in Drilling Fluids.

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

- 2.1 Chemical Description: Barium Sulphate.
CAS Number 7727-43-7.

SECTION 3 - HAZARDS IDENTIFICATION

- 3.1 Hazards Identification: Baryte may contain up to 5% Crystalline Silica. However tests have shown that the amount of Crystalline Silica in the respirable fraction is below the detection limit. (<0,07%).

SECTION 4 - FIRST AID MEASURES

- 4.1 Inhalation: Rest, fresh air.
- 4.2 Skin Contact: Wash with water and soap
- 4.3 Eye Contact: Flush with water. If complaint persists contact a doctor.
- 4.4 Ingestion: Flush mouth with water.
- 4.5 Advice to Physicians: Baryte is used as a contrast medium with x-ray measurements.

SECTION 5 - FIRE FIGHTING MEASURES

- 5.1 Extinguishing Media: Inflammable, all media accepted.
- 5.2 Protective Equipment: Non-combustible, breathing apparatus

SECTION 6 - ACCIDENTAL RELEASE MEASURES

- 6.1 Cleaning Up Method: Recover the spillage in a dry state if possible into a waste container.
Flush any residue with water.



MATERIAL SAFETY DATA SHEET

BARYTE

SECTION 7 - HANDLING AND STORAGE

- 7.1. Handling: Avoid the creation of dust.
- 7.2. Storage: Store in bulk silos which should be waterproof and where internal condensation should be minimised.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Occupation Exposure Standards:
 - OES 8 Hr Time Weighted Average (TWA).
 - Respirable Dust 2mg/m³
- 8.2 Engineering Measures: Wherever it is reasonably practicable to do so, Baryte should be stored, handled and transported within enclosed systems. Where this is not the case, airborne dust exposures should be controlled, to the OES, by engineering methods, good work practices and as a final resort personal protective equipment.
- 8.3 Personal Protection
 - a) Respiratory Protection: Inhalation of Baryte powder should be avoided. Respiratory protection should be worn where airborne Baryte powder is present to ensure that personal exposure is less than OES.
 - b) Hands: Cotton or rubber gloves.
 - c) Eye Protection: Dust Proof Goggles should be worn wherever there is a risk of Baryte powder entering the eye.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Physical and Chemical Properties:
 - Physical State: Powder.
 - Colour: Various.
 - Odour: Odourless.
 - pH: 7-8.
 - Melting Point: 1,580⁰C.
 - Density: 4,200-4,400 kg/m³.
 - Particle Size: <100 microns.
 - Solubility: Insoluble.

SECTION 10 - STABILITY AND REACTIVITY

- 10.1 Stability: Stable.
- 10.2 Conditions to Avoid:
- 10.3 Materials to Avoid: Aluminium, Phosphorus.
- 10.4 Hazardous Decomposition: At high temperatures, toxic SO(x) fumes are formed.



MATERIAL SAFETY DATA SHEET

BARYTE

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 Inhalation:	Irritant.
11.2 Skin Contact:	Irritant.
11.3 Eye Contact:	Irritant.
11.4 Oral LD ₅₀ (rat):	No data.
11.5 In LD ₅₀ (rat):	200mg/kg.

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Aquatic Toxicity Rating:	LC50 – 96 Hrs – 24,000 ppm Oyster LC50-216 days 55 ppm.
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SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Disposal of Waste Materials:	Landfill site licensed to handle non-hazardous chemical waste.
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SECTION 14 - TRANSPORT/LABEL INFORMATION

Classification for sea or land conveyance is not required.

SECTION 15 - REGULATORY INFORMATION

15.1 CHIP Classification:	
Hazard Indication:	No labelling required

SECTION 16 - OTHER INFORMATION