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1. PRODUCT IDENTIFICATION

Product name : Barite
Use of the substance : Oil well drilling fluid additive, weighting agent

2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : Barium Sulfate
CAS No. : 7727-43-7 M : 233.40 g/mol

3. HAZARDS IDENTIFICATION

NFPA rating : Health: 1 Flammability: 0 Reactivity: 0

EMERGENCY OVERVIEW:

Caution may cause eye, skin and respiratory tract irritation. Avoid contact with eyes, skin and clothing. Avoid breathing airborne product. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.

This product is a/an transparent tan to powder. Slippery when wet. A nuisance dust.

4. FIRST AID MEASURES

After inhalation : fresh air
After skin contact : wash off with plenty of water.
After eye contact : rinse out with plenty of water with the eyelid wide open
After swallowing : make victim drink plenty of water,
Consult doctor if feeling unwell

5. FIRE FIGHTING MEASURES

Suitable extinguishing media : this material is not combustible. Use extinguishing media appropriate for surrounding fire
Special risks : NA
unusual fire & explosion hazards : NA

6. ACCIDENTAL RELEASE MEASURES

Wear appropriate personal protective equipment Spills: Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust.

7. HANDLING AND STORAGE

Handling Precautions :
Avoid generating dust by excessive or unnecessary movement.
Provide good ventilation. Mechanical ventilation or local exhaust ventilation is required

MSDS | Material Safety Data Sheet | Barite**Storage Precautions** : Store at moderate temperature in dry, well ventilated area**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION****Airborne Exposure Limits** :**OSHA Permissible Exposure Limit (PEL):**mineral dusts containing crystalline silica are 10 mg/m³ for quartz and ½ the calculated quartz value for cristobalite and tridymite**Ventilation** : good general ventilation should be provided**Respiratory protection** : required when dusts are generated, respirator with dust filter**Skin Protection** : Wear protective clothing, boots, rubber gloves, lab coat.**Eye Protection** : Chemical splash goggles**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : Powder, dust
Odour : Odourless or no characteristic odor
Color : Tan to grey
Solubility description : insoluble in water
Melt / frez point (° F, interval) : 2876
Density/Specific Gravity (gr/mL) : 4.2 – 4 temperature (°F) : 68
Bulk density : 107 – 135 lb/cu ft : 1714 – 2163 kg.m³
Vapor Density (air =1) : NA

10. STABILITY AND REACTIVITY

Stability : Normally stable
Conditions to be avoided : NA
Substances to be avoided : NA
Hazardous polymerization : will not polymer
Materials to be avoid : NA
Hazardous decomposition products : No specific hazardous decomposition products noted

11. TOXICOLOGICAL INFORMATION

no toxicological data is available for this product

12. ECOLOGICAL INFORMATION

Offshore discharge of drilling fluids, when tested in a standard drilling fluid

13. DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contaminating of this product may change the waste management options.

14. TRANSPORT INFORMATION

Not regulated.

15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol: --- R-phrases: --- S-phrases: ---

16. OTHER INFORMATION

The information accumulated here in is believed to be accurate but is not warranted to be whether originating with the company or not.

Health and Safety Data Sheet should be used only as a guide to the safe handling of the product, and is not intended as a technical specification.

Revision information : In the left margin indicates a revision or addition of information since the previous issue

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