

ZINC OXIDE

P1639.0802

WBM Drilling

Product Description

ZINC OXIDE is utilized in water–base drilling fluids to scavenge hydrogen sulphide (H₂S).

Features and Benefits

ZINC OXIDE reacts with H₂S to form an insoluble precipitate of Zinc sulphide that is inert and insoluble in water. ZINC OXIDE is not pH dependent; it is effective at very alkaline pH such as 11.5 – 12.5.

International Shipping References

Transportation of ZINC OXIDE is not restricted any regulatory agency.

Safe Handling Recommendations

Utilize normal precautions for employee protection when handling chemical products. Utilize appropriate respirator, gloves, goggles and apron. Refer to the Material Safety Data Sheet (MSDS) for this product prior to use.

Typical Physical Properties

- Physical State: Solid
- Max Temperature: 400
- Reservoir Compatible: Both
- Category: H₂S Scavengers
- Sub Category:
- Product Tier: Regular
- SG value: 4.4
- Appearance: White powder
- Bulk Density Kg/m³: 2500 - 2700

Product Function

ZINC OXIDE is utilized to remove sulfides resulting from an influx of hydrogen sulphide gas or to pretreat the active drilling fluids when influxes are expected.

Recommended Treatment

As a preventive measure, the drilling fluid should be pre–treated with ZINC OXIDE the normal treatment is 1.0–2.0 lb/bbl (3.0 – 6.0 kg/m³). Subsequent doses will depend on the sulfide detected. (1.0 ppb of Zinc oxide per 600 mg/l of sulfides). Use a garret Gas train with proper dragger tubes to detect the sulphide content.

Standard Packing

ZINC OXIDE is packaged in 25 kgs multiwall paper sack.

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DRILLING FLUIDS SOLUTIONS
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