ZINC CARBONATE
HYDROGEN SULFIDE SCAVENGER

ZINC CARBONATE ($ZnCO_3$) is used as a hydrogen sulfide (H_2S) scavenger in both water- and oil-based drilling fluids.

FEATURES AND BENEFITS:

- Reacts with hydrogen sulfide (H_2S) to form zinc sulfide (ZnS) which has an extremely low solubility in water.
- pH of the drilling fluid should be maintained above 10.5 or the possibility of liberating H_2S exists.

RECOMMENDED TREATMENT:

3.0 – 6.0 kg/m³ (normally)
1 kg/m³ (typically) will treat out 256 mg/L H_2S at pH 9-11.

At pH higher than 11.0, ZINC CARBONATE will dissociate rapidly releasing zinc ions, which will result in flocculation of fresh water-based drilling fluids. This can be avoided by parallel treatment with Lime; 0.25 kg Lime for every kg of ZINC CARBONATE.

PHYSICAL PROPERTIES:

Appearance:	White powder; odourless
Specific Gravity:	4.398
Solubility:	Insoluble (water); moderately soluble in acids

MIXING/HANDLING:

Mix directly through the mud hopper. Refer to the SDS for specific precautions and handling requirements.

MICROTOX® THRESHOLD: TBD

PACKAGING: 25 kg bags / 40 bags/pallet