

# ZINC CARBONATE

## HYDROGEN SULFIDE SCAVENGER

**Zinc Carbonate** is used as an H<sub>2</sub>S scavenger in water based drilling muds.

As a pre-treatment, concentrations vary from 6.0-14.0 kg/m<sup>3</sup> depending on the severity of the expected sour gas.

To effectively control the carbonate added, add approximately 0.25 kg of lime for every kilogram of **Zinc Carbonate** added to the mud. Approximately 1.0 kg/m<sup>3</sup> of **Zinc Carbonate** is required to remove 256 mg/L of dissolved H<sub>2</sub>S.

**Zinc Carbonate** can cause rheological and alkalinity problems in bentonite based mud systems and on wells where there are elevated mud temperatures.

## PHYSICAL PROPERTIES:

**Appearance:** White crystalline powder  
**Specific Gravity:** 4.4

## CHEMICAL PROPERTIES:

**Type:** Chemical compound  
**Solubility:** Soluble ↓ 0.1% (water)  
**Microtox:** 36% @ 14.0 kg/m<sup>3</sup>

## MIXING & HANDLING

**Zinc Carbonate** can be added directly to the mud hopper. It is advisable to use a dust mask and eye protection while mixing all powdered products.

**WHMIS:** Not controlled (SDS available)

**TDG:** Not regulated

**Packaging:** 25kg sack

