



## Product Information

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### Gypsum

#### GENERAL DESCRIPTION

Gypsum ( $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ ) is used as a source of Calcium in mud systems which are over treated with Soda Ash, as well as a contaminant (in low concentrations).

#### FEATURES AND BENEFITS

Gypsum is a very common source of Calcium used in drilling mud systems.

Gypsum is used as a Calcium source for clear water drilling, often used in conjunction with Envirofloc in a 2:1 ratio respectively.

Gypsum is also used as a Calcium source for "Gyp based muds". Gyp muds are used for specific applications to drill thick sections of anhydrite or cement.

#### RECOMMENDED TREATMENT

*Clear Water Drilling:* 1-3  $\text{kg/m}^3$   
*Gyp Based Muds:* 3-6  $\text{kg/m}^3$

#### TYPICAL PHYSICAL PROPERTIES

Appearance	light gray, odorless
Specific Gravity	2.9
Bulk density (powder)	1272 $\text{kg/m}^3$
Bulk density (granular)	1096 $\text{kg/m}^3$
Toxicity	LC 50 = 55,000 mg/L TLV = Nuisance only
WHMIS	Not controlled

#### HANDLING

Gypsum needs to be stored in a cool, dry place. A dust hazard is present while it is being mixed.

Transportation of Gypsum is not restricted by TDG. Refer to the Material Safety Data Sheet (MSDS) for this product prior to use.

#### AVAILABILITY

Gypsum is packaged in 25kg (55lb) multi-wall export quality paper sacks and is available from HiTech Fluid Systems Ltd.