
GYPSUM

DESCRIPTION Gypsum ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$) is a light grey powder, naturally hydrated calcium sulfate and is slightly soluble in water.

Physical and Chemical Properties:

Appearance and Odour:	Light grey, odourless
Specific Gravity:	2.9
pH:	6.5
Bulk Density - Powder:	1272 kg/m ³
Bulk Density - Granular:	1096 kg/m ³

APPLICATION Gypsum is used as the source of calcium in mud systems. "Gyp based muds" are used for specific applications to drill thick sections of anhydrite or cement.

Gypsum can also be added as a contaminant (in low concentrations) to bentonite-based mud systems or as a source of calcium for mud systems which are over treated with Soda Ash.

HANDLING Gypsum can be added to the mud system through the mud hopper. In lightly treated bentonite-based systems the mud will flocculate with consequent thickening and an increase in fluid loss.

Gypsum is hygroscopic, therefore it should be stored in a dry environment to avoid lumping and hardening.

A dust hazard is present while gypsum is being mixed.

WHMIS	Not Controlled
TDG	Not Regulated
PACKAGING	25 kg sack

NOTE: See disclaimer for supplier responsibility.