

Calcium Carbonate Flakes

Calcium Carbonate Flakes is flaked calcium carbonate. It is effective in controlling circulation losses and seepage in both completion and drilling fluids. The SOLUFLAKE calcium carbonate is available in three grades—fine (F), medium (M), and coarse (C).

Calcium Carbonate Flakes can be used in water-, synthetic-, or oil-based fluid systems. This product is particularly effective in oil or synthetic systems, as material does not absorb water.

Typical Physical Properties

Physical appearance	White flakes
Specific gravity	2.60-2.80 SG
Acid Solubility.....	94-99.9%

Applications

Calcium Carbonate Flakes is effective LCM for permeable zones like gravel beds, vugular limestones, faulty cement jobs, or existing fractures, while drilling porous and fractured formations

Seepage loss should be treated with Calcium Carbonate Flakes Fine material in the 6 to 12 lbm/bbl (17.1 to 34.2 kg/m³) range. The coarser grades, Calcium Carbonate Flakes Medium and Calcium Carbonate Flakes Coarse, are used to treat severe mud losses.

Total loss of returns should be treated with high concentrations (30 to 40 lbm/bbl [86 to 252 kg/m³]) of Calcium Carbonate Flakes Medium and Calcium Carbonate Flakes Coarse and spotted opposite the loss zone. Shale shakers are usually bypassed when coarser material grades are used.

The Calcium Carbonate Flakes is up to 99.99% soluble in 15% hydrochloric acid.

Advantages

- Available in three grades ranging from fine to coarse. Controls seepage losses efficiently with fine grade. Treats severe mud losses with coarser grades
- Acid soluble. Protects the pay zone and facilitate well completion after drilling
- Effective in oil or synthetic systems and does not affect emulsion stability
- Non-fibrous material does not absorb water

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Toxicity and Handling

Information on biological data can be provided upon request.

Handle in accordance with the Material Safety Data Sheet (MSDS) and general requirements for working with industrial reagents

Packaging and Storage

Calcium Carbonate Flakes is packaged in 25-kg, sacks.

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