

PLATINUM D-D

PLATINUM D-D* additive is an aqueous blend of surface-active agents.

It is designed to reduce the surface tension of all water-base mud systems and reduce the sticking tendency of water-sensitive shale cuttings.

Typical Physical Properties

Physical appearance	Light red liquid
Specific gravity	1.038
pH (1% solution)	7.5-8.5
Solubility in water	100%
Flash point	>200° F (>93° C)

Applications

PLATINUM D-D additive has application in all drilling areas and can be used in virtually any water-base drilling fluid. It is used primarily in upper-hole drilling to minimize bit and Bottomhole Assembly (BHA) balling, reduce surface tension, and aid in dropping sand and removing drill solids.

PLATINUM D-D additive frequently reduces torque and drag, even when no oil is present in the system. Normal treatments range from 0.1 to 0.2 lb/bbl (0.29 to 0.57 kg/m³) and provide satisfactory performance under most conditions. In severe gumbo shale areas, 4-6 lb/bbl (11.4-17.1 kg/m³) concentrations of PLATINUM D-D additive are recommended to minimize bit and BHA balling; higher concentrations can cause foaming and require a defoamer. This product is effective in all water-base systems including freshwater, brackish water, seawater and saturated saltwater fluids.

Advantages

- Minimizes bit and BHA balling
- Reduces the surface tension of the liquid phase, helping to drop sand and remove drill solids
- Improves water-wetting action on all solids and reduces the sticking tendency of reactive shale cuttings
- Effective in all water-base muds

Limitations

The freezing point of PLATINUM D-D additive is 32°F (0°C). D-D* CWT additive, a special cold-weather formulation with a freezing point of -29°F (-20°C), is also available.

Toxicity and Handling

Bioassay information is available upon request.

Handle as an industrial chemical, wearing protective equipment and observing the precautions described in the Material Safety Data Sheets (MSDS).

Fluids containing high concentrations of PLATINUM D-D additive may not be suitable for discharge into all marine environments.

Packaging and Storage

PLATINUM D-D liquid is packaged in 5-gal (18.9-L) cans and 55-gal (208.2-L) drums.

Store in a well-ventilated area away from sources of heat or ignition.



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