



DRILLING FLUID PRODUCTS

TECHNICAL INFORMATION

IM-STUCK™ SPOTTING FLUID

Stuck Pipe Additive for Oil based Mud Drilling

IM-STUCK is proprietary blend of additives to formulate spotting fluids to free stuck drill pipe. **IM-STUCK** is a blend of surfactants, emulsifiers and oil-wetting agents and is utilized to free stuck pipe where low density spotting fluid is required.

Product Specifications:

Property	Specification
Specific Gravity (at 25°C)	0.84 – 0.88
Flash point (°C)	> 80 °C
Appearance	Dark brown liquid

Functions:

IM-STUCK has the following functions:

- Can be effectively used to make spotting fluids in all types of base oils such as crude, diesel and mineral oils as well as lubricants.
- Effectively forms stable water in oil emulsion which allows for filter cake penetration equalizing the differential pressure holding the drill string against the annulus.

Recommended Treatment:

Concentrations in the range of 3 – 4 gals/bbl (70 – 90 liters/m³) of base oil are usually sufficient. The quantity used would be dependent on the drilling fluid system and severity of stuck pipe.

Packaging:

Packaged in 55 US Gallon (208 liter) steel drums.

Legislation and Handling Recommendations:

Not restricted by any regulatory agency. Refer to the Material Safety Data Sheet (MSDS) for the product prior to use.