

# PLATINUM FOAM

*PLATINUM FOAM\* agent is water-soluble and biodegradable. This material is designed exclusively for mineral and water-well drilling and has the ability to foam in fresh, brackish, or salty waters.*

## **Typical Physical Properties**

Physical appearance .....	Clear, amber solution
Specific gravity .....	1.01
Solubility .....	100%
pH .....	7-8

## **Applications**

PLATINUM FOAM agent is used as a foaming agent in air-drilling applications. Based on the amount of PLATINUM FOAM agent added and the injection rate, it can be used for dust suppression, mist, foam, and stiff-foam drilling.

## **Advantages**

- Produces stable, consistent foam in all types of water
- Environmentally acceptable and biodegradable
- Lubricating properties make it suitable for use with downhole hammers
- Improves hole cleaning and penetration rates

## **Methods of Addition**

- To use as a dust suppresser or to prevent bit balling in damp formation: Mix  $\frac{1}{3}$  to  $\frac{3}{4}$  pints (0.2 to 0.4 L) per 50 gal (189 L) of water
- For mist drilling with moderate amounts of water intrusion: Mix 1.5 to 3 pints (0.8 to 1.5 L) per 50 gal (189 L) of water
- For foam drilling with excessive amounts of water intrusion: Mix 6 pints (2.9 L) of PLATINUM FOAM agent per 50 gal (189 L) of water
- For slug drilling:  $\frac{1}{3}$  pint (0.2 L) in 2 gal (7.6 L) of water
- Stiff foams: To obtain desired viscosity, mix MAX GEL\* or POLY-PLUS\* 2000 in 50 gal (189 L) of water to 32 sec/qt and stir in  $\frac{3}{4}$  gal (3 L) of PLATINUM FOAM agent. Pump the slurry into the air stream at 7 to 10 gal (26.6 to 38 L)/min.

### ***Limitations***

When used as recommended, there are no limitations imposed on this product.

### ***Toxicity and Handling***

Bioassay information is available upon request. Handle as an industrial chemical, wearing protective equipment and observing the precautions as described in the Material Safety Data Sheets (MSDS).

### ***Packaging and Storage***

PLATINUM FOAM agent is packaged in 5-gal (18.9-L) buckets and 55-gal drums. Store in a well-ventilated area away from sources of heat or ignition.

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