

# PLATINUM FOAM PLUS



## Typical physical properties

Physical appearance	Clear-to-pale-yellow solution
Freeze point	15°F (-9.4°C)
Flash point	142°F (61.1°C)
Specific gravity	1.04
Solubility	100%
pH	7.5–8.5 (10% solution)

PLATINUM FOAM<sup>+</sup> PLUS foaming agent is water-soluble and biodegradable. It is specially designed to have a high flash point to minimize transit restrictions. In addition, PLATINUM FOAM PLUS foaming agent is formulated to have a low freezing point for cold weather applications. PLATINUM FOAM PLUS foaming agent has the ability to foam in fresh, brackish or salty waters.

## Applications

PLATINUM FOAM PLUS foaming agent is used in air-drilling applications. Based on the amount of product added and the injection rate, it can be used for dust suppression, mist, foam, and stiff-foam drilling. Typical applications rates are 0.5 to 2% by volume of injection water.

## Addition methods

- To use as a dust suppressor or to prevent bit balling in damp formation: Mix ½–¾ pints (0.2–0.4 L) per 50 gal (189 L) of water
- For mist drilling with moderate amounts of water intrusion: Mix 1.5–3 pints (0.8–1.5 L) per 50 gal (189 L) of water

## Benefits

- NSF/ANSI Standard 60 certified
- Produces stable, consistent foam in all types of water
- Small and tight bubble formation provides excellent carrying capacity
- Environmentally acceptable and biodegradable
- Lubricating properties make it suitable for use with downhole hammers
- Highly stable foam with excellent retention times
- Improves hole cleaning and penetration rates

- For foam drilling with excessive amounts of water intrusion: Mix 6 pints (2.9 L) of product per 50 gal (189 L) of water
- Stiff foams: To obtain desired viscosity, mix MAX GEL<sup>+</sup> viscosifier or POLY-PLUS<sup>+</sup> 2000 polymer in 50 gal (189 L) of water to 32 sec/qt and stir in ¾ gal (3 L) of PLATINUM FOAM PLUS foaming agent. Pump the slurry into the air stream at 7–10 gal (26.6–38 L) per min. POLY-PLUS polymer may be substituted for POLY-PLUS 2000 polymer

## Limitations

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

## Packaging and storage

PLATINUM FOAM PLUS agent is packaged in 5 gal (18.9 L) buckets and 55 gal (208.2 L) drums.

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