# TRUGUARD G

P1228.0702

**WBM Drilling**

## Product Description

TRUGUARD™ G is a low molecular weight, highly cationic liquid polyamine supplied as a highly active aqueous solution.

## Product Function

TRUGUARD™ G functions primarily as a shale inhibitor or encapsulator. TRUGUARD™ G can also be used as a clay stabilizer in workover and completion fluids, fracturing fluids and acidizing treatments.

## Features and Benefits

TRUGUARD™ G protects water sensitive shales and clays by decreasing the shale's tendency to absorb water, swell and sloughoff. It improves borehole stability and helps promote gauge hole. As additional benefits, fluid loss and bit balling are often reduced when using this product. Due to its low molecular weight, TRUGUARD™ G will have little, if any, effect on the rheology of a drilling fluid, i.e. viscosity, while still affording excellent shale inhibition.

## Recommended Treatment

A typical dosage rate is 1.0 – 3.0 ppb as supplied. However, dosage rates of up to 3.0 – 5.0 ppb may be required depending upon the reactivity of the shale and the amount of shale to be drilled.

## International Shipping References

Transportation of TRUGUARD™ G is not restricted by any regulatory agency.

## Standard Packing

TRUGUARD™ G is supplied 200 Kg net HDPE drums.

## Safe Handling Recommendations

Utilize normal precautions for employee protection when handling chemical products. Utilize appropriate respirator, gloves, goggles and apron. Refer to the Material Safety Data Sheet (MSDS) for this product prior to use.

## Typical Physical Properties

- Physical State: Liquid
- Reservoir Compatible: Both
- Sub Category: Cationic Polyamine
- SG value: 1.03
- pH (1% solution): 5.0 - 6.5
- Total amine value mg (KOH/g): > 100 ?C
- Max Temperature: 300
- Category: Shale Inhibitors
- Product Tier: Regular
- Appearance: Amber Liquid
- Specific Gravity (25 ?C): 0.96 - 1.10

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