

# PRIMARY EMULSIFIER – INOBM 1000

PRODUCT OVERVIEW [1/2]



## Description

**INOBM 1000** is a primary emulsifier used for formulating stable oil based invert emulsion. The product provides stable emulsification and high tolerance for contaminants. It works well to formulate stable emulsions in wide range of commonly used base oils, diesel and other mineral oils. The product also works well with all of the commonly used internal phase salt solutions.

## Specifications

- Appearance Dark liquid
- Specific gravity @ 25 °C 0.95 Max.
- Acid Value, mg KOH/gm 80-85

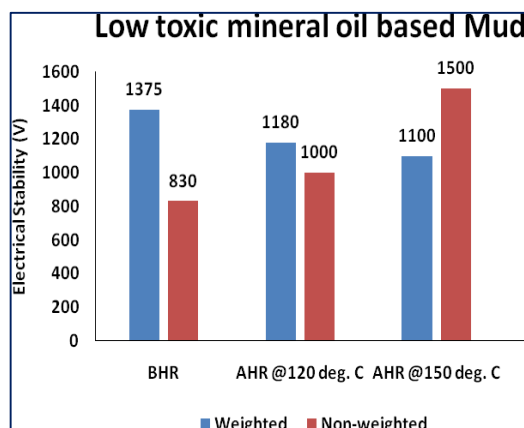
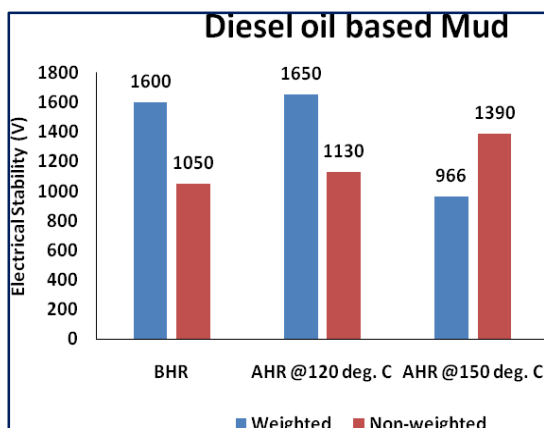
## Typical Properties

Flash Point, COC, oC : 65 Min.

## Performance

During our lab testing and quality control procedures, INOBM 1000 gave good electrical stability and fluid loss characteristics in different environments. However, these results are subjected to the use of INOBM 1000 along with the secondary emulsifier – INOBM 2000 . Mud formulation with a typical Primary Emulsifier & Secondary Emulsifier ratio of 2:1 resulted in high electrical stability – as reflected in the below trends, even at elevated temperatures.

### Oil – Water Ratio: 80:20



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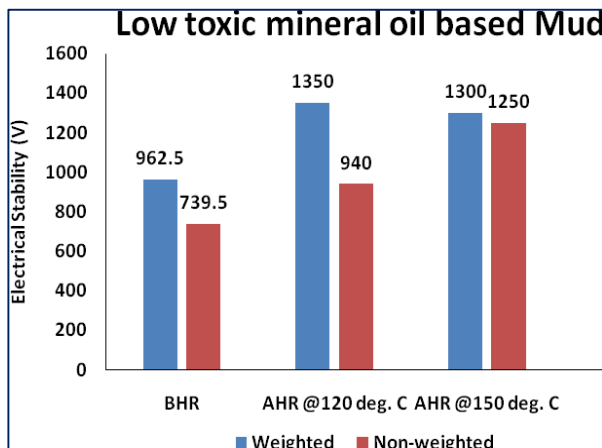
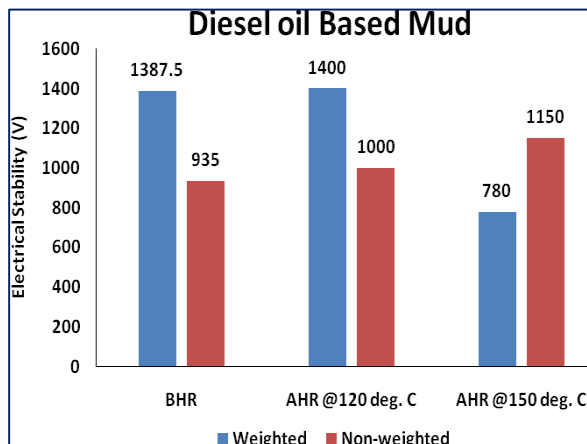
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# PRIMARY EMULSIFIER – INOBM 1000

PRODUCT OVERVIEW [2/2]



## Oil – Water Ratio: 70:30



\* Mineral oil based mud formulated using Saraline 185 base oil. \* Muds are weighted upto 1.60 specific gravity with Barites

\* BHR – Before Hot Rolling and AHR – After Hot Rolling at 120 °C & 150 °C for 16 hours.

## Advantages

INOBM 1000 when used in combination with Secondary Emulsifier INOBM 2000 gives an excellent electrical stability profile in oil base muds:

- In Oil – Water Ratios – 90:10 to 70:30
- At elevated temperature up to 150°C
- In weighted environment with solid contaminants
- With low fluid-loss and good control over the rheological parameters

## Application

- INOBM 1000 develops highly stable water-in-oil emulsion and can be safely used for formulating high performance invert emulsion oil based mud.
- INOBM 1000 is recommended to be used along with INOBM 2000 to produce a very stable, high performance oil based invert emulsion drilling fluids. It provides excellent emulsion stability & secondary oil wetting.

## Recommended Dosage

We recommend a dosage of 2- 4% (v/v) for normal application upto 150 °C. Lab formulation trials are suggested before field application.

## Handling and Safety

Please refer Material Safety Data Sheet for safety and handling guidelines for this product.

## Packaging

Net 190 kg in MS Drums or as per the customer's requirement.

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