

## CESIUM FORMATE L

P1643.2001

WBM Drilling

### Product Description

CESIUM FORMATE maximizes reservoir productivity and decrease drilling and completion costs.

### Features and Benefits

CESIUM FORMATE is high temperature stable over long periods. Do not require the use of corrosion inhibitors. It eliminates the hazards and toxic liabilities associated with heavy bromide brines. It is a Ideal fluid to run sand screens in open hole completions. Removes the problem of gas migration in well control situations. Reduces barite sag. Maximizes logging capabilities and reservoir definition. Can increase ROPs with lower ECDs and high lubricity.

### International Shipping References

Transportation of CESIUM FORMATE is not restricted by any regulatory agency.

### 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
- Max Temperature: 400
- Reservoir Compatible: Reservoir
- Category: Brines
- Sub Category:
- Product Tier: Regular
- SG value: 2.25
- pH (Neat): > 10
- Specific Gravity (16 ?C): 2.15 - 2.40
- Turbidity: < 5.0 NTU
- Divalent Cations: <100 ppm
- Chlorides: <1000 ppm
- Appearance: Clear to yellow colour solution

### Product Function

Cesium formate fluids can provide high density (up to 2.20 sg) and solids free, they do not require the addition of particles of weighing agents which damage reservoir productivity. CESIUM FORMATE only contains monovalent ions which are incapable of reacting with reservoir fluids to form scale.

### Recommended Treatment

#### Standard Packing

CESIUM FORMATE liquid is packaged in 55 USG (200 liters) HDPE drums containing 312 kg.

+971 2 610 7000

info@ppc.ae | www.ppc.ae

Abu Dhabi | UAE



DRILLING FLUIDS SOLUTIONS  
A MAZRAI ENERGY SERVICES COMPANY

Petrochem Performance Chemicals Limited LLC believes in good faith that the information presented in this bulletin is accurate and reliable. No other representation or warranties are given or made in relation to the information or the products of whatsoever nature, and Petrochem Performance Chemicals Limited LLC assumes no responsibility for advice or recommendations made herein or any other information disseminated concerning this product. Petrochem Performance Chemicals Limited LLC will replace or issue credit for the purchase price of any product determined to be defective at delivery. Under no circumstances shall Petrochem Performance Chemicals Limited LLC or its responsible personnel be liable for any special or consequential damages whatsoever.