



Product Data Sheet

KCW-1008 (Patented Phosphate Composition)

Version 03.

KCW-1008, is used as weighting fluid for drilling, completion fluid and for well work over. It is a mixture of mono and multivalent of Phosphate salts solution in water, halide free and does not contain Calcium ion and Magnesium ion.

Physical Properties

Appearance	: water clear liquid, slightly syrupy
Density	: Up to 1.85 kg/l (15.405 lbs/gal)
Solubility in water	: completely soluble
Alkalinity, pH	: >9
Total hardness	: less than 190 ppm
Total Chloride	: less than 190 ppm
Flash point	: not applicable, water base
Stability test	: up to 205°C (400°F)

Recommended use

KCW-1008M is water clear liquid which should be used as is. Additional of small amount of water can be done to slightly lower the specific gravity to suit the requirement. Mixing with Chloride containing salts can be done but NOT recommended due to its corrosive property.



Advantages

- Complete solution in water, water based
- Non Hazardous, easy to handle and to transport,
- Environmentally safe to use (refer to MSDS)
- Stable solution in high temperature and pressure
- Non corrosive, provides anti-corrosion film on steel surfaces
- Reduces Calcium and Magnesium scaling on steel surfaces



Product Data Sheet

KCW-1008M (Patented Phosphate Composition)

Version 03.

KCW-1008M, a weighted base fluid used for drilling, completion and work-over. It is a mixture of mono and multivalent of Phosphate salts solution in water with micronized solid filler dispersion. It is a halide free fluid and does not contain any Calcium, Magnesium, Barium or other heavy metals.

Physical Properties

Appearance	: red color liquid, syrupy
Density	: 1.86 kg/l (15.5 lbs/gal) to 2.76 kg/l (23.00 lbs/gal)
Solubility in water	: completely soluble
Alkalinity, pH	: >10
Total hardness	: less than 190 ppm
Total Chloride	: less than 190 ppm
Flash point	: not applicable, water base
Stability test	: up to 205°C (400°F)

Recommended use

KCW-1008M is a “green” liquid which should be used as neat product. Addition of small amount of water can be done to slightly lower the specific gravity to suit the requirement. Mixing with salts containing Chloride can be done but NOT recommended due to its corrosive property.



Advantages

- **Completely water based**
- **Non Hazardous, easy to handle and to transport**
- **Environmentally friendly, safe to use (refer to MSDS)**
- **Does NOT contain any heavy metal**
- **Stable solution in high temperature and pressure**
- **Non corrosive, provides anti-corrosion film on steel surfaces**
- **Reduces Calcium and Magnesium Scaling on Steel Surfaces**