



PRODUCT DATASHEET



ChloroLuxus™ CR (Chloride Reducer)

Background

ChloroLuxus™ CR is part of the PetroLuxus™ Family product line derived from the PetroLuxus™ Technology Platform originally developed by Planet Resource Recovery, Inc. The PetroLuxus™ Family of products are inorganic, Environmentally-friendly compounds designed specifically for the Oil & Gas Industry. ChloroLuxus™ CR involves the science of Sodium Silicates, but unlike common sodium silicates, PetroLuxus™ chemistries are Monomeric Neo-silicates, the “bully” or the most reactive of silicate species.

Description:

ChloroLuxus™ CR is a multi-modal liquid compound formulated to be injected downhole into oil bearing formations for the increased recovery of hydrocarbons, reduced salts and hydrogen sulfide concentrations and improved flow characteristics. These combined attributes result in increased performance of operational equipment with less down time and lowered discounts for excessive salt contents. The unique multi-modal characteristics of ChloroLuxus™ interacts with the attached hydrocarbons on formation surfaces by destabilizing the weak hydrogen bonding which causes the hydrocarbons to be released from the oil-bearing formation. This results in an increased surface water wetting and reduction of surface tension allowing the oil to be recovered with higher efficiency. Additionally, equipment metal surfaces and formation surfaces contacted by ChloroLuxus™ products are coated with a polymeric barrier thereby protecting metal surfaces that reduces corrosion and increases the conductivity of mineral surfaces.

Applications:

- Chloride Eliminator
- Well Stimulations
- Water Floods

Benefits:

- Reduced Chlorides
- Improved Well Production
- Improved Fluid Entry
- Reduced Downtime
- Reduced Maintenance Costs
- Reduced Corrosion & Scaling
- H₂S Reduction
- Corrosion Inhibitor
- Reduced MIC (Microbially Influenced Corrosion)

Typical Concentration

Carrier: Water

Typical concentrations of ChloroLuxus™ CR are between 2%-5% of total fluid volume injected.

Environmental Statement

ChloroLuxus™ products are inorganic compounds and thus contains no organic compounds, toxic metals, or their salts. The environmental fate of PetroLuxus™ are silica, the same material as found in beach sand. The chemistries of PetroLuxus™ pose no threat of persistence in the environment, no bio-concentration, nor toxicity when used at the recommended concentrations.

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