Background
PetroLuxus™ WC is part of the PetroLuxus™ Family product line derived from the PetroLuxus™ Technology Platform distributed by Ascension Technologies, Inc. The PetroLuxus™ Family of products are inorganic, Environmentally-friendly compounds designed specifically for the Oil & Gas Industry. PetroLuxus™ WC 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:
PetroLuxus™ WC is a multi-modal liquid compound formulated to be injected downhole into oil bearing formations for the increased recovery of hydrocarbons, reduced hydrogen sulfide concentrations and improved flow characteristics. These combined attributes result in increased performance of operational equipment with less down time. The unique multi-modal characteristics of PetroLuxus™ WC 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 PetroLuxus™ WC are coated with a polymeric barrier thereby protecting metal surfaces that reduces corrosion and increases the conductivity of mineral surfaces.

Benefits:
- Improved Well Production
- Improved Fluid Entry
- Reduced Downtime
- Reduced Maintenance Costs
- Reduced Paraffin & Asphaltene Choke Off
- Reduced Corrosion & Scaling
- H2S Reduction
- Corrosion Inhibitor
- Reduced MIC (Microbially Influenced Corrosion)

Typical Concentration
Carrier: Water
Typical concentrations of PetroLuxus™ WC are between 2%-5% of total fluid volume injected.

Environmental Statement
PetroLuxus™ 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.

Applications:
- Near well bore clean up
- Well Stimulations
- Water Floods

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