

FireShield™ (Fire Retardant)

Background

FireShield™ 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. FireShield™ 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:

FireShield™ is a multi-modal liquid compound formulated to be applied to any metal surface with the object of retarding or eliminating the formation of corrosion. 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 FireShield™ interacts with the attached metal atoms on the metal surfaces and molecularly bonds which causes the metal surface to be resist to corrosion. This results in an increased life span of metals thereby increasing the equipment’s survival time. Additionally, equipment metal surfaces and formation surfaces contacted by FireShield™ products are coated with a polymeric barrier thereby protecting metal surfaces that reduces corrosion and increases the conductivity of mineral surfaces.

Applications:

- Forest Fires
- Grass Fires
- Brush Fires
- Outside Fire Retardant

Benefits:

- Non-Toxic
- Safe for Aquatic Life
- Bio Degradable
- Continuous Fire Protection
- Safe for Pets & Wild Animals
- No Chlorides
- No Phosphates

Typical Concentration

Carrier: Water

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

Environmental Statement

FireShield™ products are inorganic compounds and thus contains no organic compounds, toxic metals, or their salts. The environmental fate of FireShield™ 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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