TECHNICAL SHEET

BSC-1640 BIOLOGICAL CORROSION INHIBITOR

Downhole/surface corrosion protection

Description

BSC-1640 is a liquid non-ionic biological formulation containing living facultative anaerobic species used to inhibit corrosion and scale formation through its metabolic by-products, including alcohols, ketones, organic acids and biosurfactants. The by-products of metabolism, ketones and organic acids, are polarizing agents that can inhibit the corrosion process. This is accomplished by neutralizing the cathodic portion of the metal, breaking the circuit of the corrosion cell.

Properties

Physical State:	Liquid	Specific Gravity:	1.015
Freeze Point:	26°F	pH:	7.3
Density:	8.47 lbs/gal	Color:	Yellow
Odor:	Carbohydrate	Shelf Life:	1 Year
Chemical Type:	Liquid Biological Media	Viscosity:	1.23 cps @ 60°F

Application

BSC-1640 can be injected directly into the oil production stream downhole or at the surface. BSC-1640 is thermally stable up to 197°F. The typical dosage concentration is 250 ppm mixed with 2% NUTRIFLEX liquid nutrient. Treatment begins with an inoculation to establish the microbial population in the well system. Thereafter, at fixed periods, maintenance doses of BSC-1640 should be added to maintain the BSC-1640 microbial colonies.

Compatibility

BSC-1640 is compatible with all refinery catalysts. BSC-1640 is not compatible with acid solutions.

Handling

BSC-1640 biologicals meet EPA requirements for release into the environment. Special clothing or equipment is not required for handling BSC-1640. Routine aseptic hygiene practices should always be observed. Refer to the Material Safety Data Sheet (MSDS) for handling and hazard data.

Packaging

BSC-1640 is available in 55 gallon poly drums and 330 gallon poly totes.