



TECHNICAL DATA CORROSO-BAC™

FOR THE PREVENTION OF CORROSION AND SCALE

General Description

Corroso-Bac™ is a proprietary combination of natural, facultative anaerobic bacteria used in oil well operations to inhibit corrosion and scale formation through its metabolic by-products, including alcohols, ketones, organic acids, and bio surfactants. Like other products, Corroso-Bac™ also has the ability to disperse, dissolve, and prevent paraffin deposition. Application of Corroso-Bac™ protects the formation face, as well as down hole and surface equipment, from corrosion by sequestration, filming, and removing solids that cause under deposit corrosion. The by-products of metabolism, the 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. This is similar to the process by which chemical inhibitors work.

Product Specifications

Color	reddish brown
pH	6.5-8
Weight per Gallon	8.51 lbs
Specific Gravity	1.02
Freeze Point	32°F
Viscosity	1.30 cps - 60°F
Odor	mild

Application

Corroso-Bac™ comes as a ready-to-use liquid formulation and can be introduced to the well by batch or squeeze treatments. Batch treatments usually involve the product being applied to the annulus and flushed with clean lease or fresh water.

For optimum performance, it is recommended that the well be shut in for one to three days after treatment; however, this is not mandatory. Treatment begins with an inoculation to establish the bacterial population of the well system. Thereafter, at predetermined intervals, maintenance doses of Corroso-Bac™ can be added to maintain the colony of bacteria. Squeeze treatment applications are a function of fluid production, porosity, perforation interval, and desired depth of penetration. The well is shut in for three to seven days.

Handling and Safety

Corroso-Bac™ meets EPA requirements for release into the environment. Special clothing or equipment is not required for handling Corroso-Bac™. Routine sanitary hygiene practices should be observed.

Shipping

Corroso-Bac™ is shipped in two sizes: in 5-gallon containers (45 lbs), and in 55-gallon containers (495 lbs), F.O.B. Round Rock, Texas.

Services

Micro-Bac International, Inc.® offers technical support and services to optimize production through the use of our products.