



PRODUCT BULLETIN

CORROSION INHIBITOR STICKS

Corrosion Inhibitor Sticks

General Description

CORROSION INHIBITOR STICKS are water-soluble or oil soluble sticks that contain a blend of Inidazolines which have excellent filming characteristics and low emulsion tendencies. This unique blend gives effective corrosion control for most oil field corrosion problems. **CORROSION INHIBITOR STICKS** are commonly used in conjunction with our *SPEC HIB 0₂ STICKS*

Application

CORROSION INHIBITOR STICKS are primarily used to control common corrosion problems found in producing oil and gas wells and flooded fresh or brine water systems. **CORROSION INHIBITOR STICKS** can be used to treat hard to reach areas. Dead areas such as the annulus space above the packer, rat-hole, or the bottom of water supply tanks may be easily treated with **CORROSION INHIBITOR STICKS**. **CORROSION INHIBITOR STICKS** can provide corrosion control throughout the entire production system. Regular usage of **CORROSION INHIBITOR STICKS** will help control corrosion problems at the point where they begin...down hole.

CORROSION INHIBITOR STICKS are available in two different formulations; **Type 1** are oil-soluble and water-dispersible or **Type 2**, water soluble and oil-dispersible. The oil-soluble type is soluble in oil, condensate and wet gas and can slowly disperse inhibitor into the water phase. The water-soluble type is soluble in water and can slowly disperse inhibitor into the oil phase. **CORROSION INHIBITOR STICKS** can effectively inhibit corrosion in wells that produce both water and distillate or oil phases. In this case, it may be desirable to treat the well with both types of sticks by first dropping water-soluble sticks and allowing them to fall through the oil and into the water (dissolving and releasing inhibitor in the water column). Then drop the oil-soluble sticks which will "FLOAT" at the oil-water contact (slowly dissolving and releasing inhibitor in the oil column).

TYPE 1 STICKS: The stick will dissolve in 20 to 120 minutes (in moving diesel) depending on temperature, salt content, and relative fluid motion. The stick will melt at 135°F. The specific gravity is 0.95. **TYPE 2 STICKS:** The stick will dissolve in 12 to 24 hours (in 50,000 PPM moving brine water) depending on temperature, salt content, and relative fluid motion. The stick will melt at 125°F. The specific gravity is 1.10.

1 stick per 29 BBL'S of total fluid to start treatment. NOTE: To successfully control any corrosion problem, the inhibitor insertion into the fluid stream must be constant. For intermittent treatment or for extreme corrosive environments increase the number of sticks accordingly.

THE MOST COMMON PROCEDURE for producing wells is to shut-in the well and drop sticks through lubricator. Leave well shut until sticks fall to the bottom. The time in minutes for the sticks to fall to the bottom (assuming well is shut-in with fluid at surface) is equal to the depth divided by 100. (Time,min. = Depth,ft / 100). **FOR WATER INJECTION SYSTEMS** drop the sticks into the water supply tank to inhibit more of the system.

Physical Properties

Appearance / Odor	White Stick / Mild Odor
pH	8.50 - 9.50 (solublized in water)
Flash Point	None

Availability

CORROSION INHIBITOR STICKS are available in 1 1/4" X 15" water soluble sticks, 72 per chest.

Handling

Observe warning label on product container. Normal precautions for industrial chemicals apply.