



690

AQUA CURE

Water Soluble Corrosion Inhibitor

- GEAR OILS
- MOTOR OILS
- HYDRAULIC OILS
- PIPE COATINGS
- THREAD SEALANTS
- BEARING GREASES
- SPECIALTY GREASES
- THREAD COMPOUNDS
- SUCKER ROD COATINGS
- OUTSIDE PRESERVATIVES
- WIRELINE GREASE SEALS
- CLEANERS & DEGREASERS
- PIPE STORAGE COMPOUNDS
- RUST & CORROSION INHIBITORS
- THREAD LOCKING COMPOUNDS
- VALVE LUBRICANTS & SEALANTS
- TOOL JOINT & DRILL COLLAR COMPOUNDS

PRODUCT DESCRIPTION

690 Aqua Cure is a water-soluble, corrosion inhibitor designed for metal surfaces that have been exposed to salt water and other brines. 690 Aqua Cure provides fast, temporary protection to pipe used in drilling and workover operations. The clear film of 690 Aqua Cure has fast-acting properties, which severely retard the affects of salt water and other salts such as chlorides and bromides on tubulars.

It has been well documented that common brines have an extremely corrosive effect in well operations. It is clear that sodium chloride (NaCl), calcium chloride (CaCl₂), sodium bromide (NaBr), calcium bromide (CaBr₂), potassium chloride (KCl), potassium bromide (KBr), and zinc bromide (ZnBr₂) are very corrosive. When these salts are combined, it greatly accelerates the effects of corrosion (flash rusting) on the pipe. In addition, well temperatures above 200°F (93°C) and well pressure greatly increase the degree and rate of corrosion.

690 Aqua Cure inhibits the corrosive effects of various salts in aqueous solutions when exposed to ferrous metal surfaces. 690 Aqua Cure is specifically formulated to stop or retard the effect of these highly corrosive brines on pipe. It is designed to be used immediately after the pipe is placed on the rack after coming out of the hole.

690 Aqua Cure does not contain chlorides.

The 690 Aqua Cure protective film is recommended for reducing internal and external corrosion on the pipe.

BENEFITS

- Non-contaminating
- Inhibits corrosive effects of salts
- Water soluble
- Non-polluting
- Non-toxic
- Non-flammable

TYPICAL OBSERVATIONS

| | |
|---------------------------------|-----------|
| pH | 9–10 |
| Color | Blue |
| Odor | Mild |
| Viscosity, ASTM D-1200 | |
| #4 Ford cup @ 77°F (25°F) | 9–11 sec |
| Density, lb/gal @ 77°F (25°C) | 8.35 |
| Specific Gravity, @ 77°F (25°C) | 1.00 |
| Flash Point, ASTM D-93 | None |
| Fire Point, ASTM D-92 | None |
| Solubility in Water | Complete |
| Shelf Life (unopened container) | Two years |

APPLICATION

Pipe dope and grease should be removed from the surface. 690 Aqua Cure may be applied by spraying with air or airless equipment, dipping, mopping, or brushing as soon as pipe is received in yard. For best results, 690 Aqua Cure should be allowed to stay on the pipe for several days, and rinsed with fresh water or with pressure washer. The pipe should then be brushed thoroughly with an automated pipe cleaning machine prior to application of OD pipe coating. 690 Aqua Cure is water soluble and will not clog orifices on spray equipment.

RELATED PRODUCTS

- 690C Aqua Cure Concentrate
- 900 Wonder Rust Remover and Paint Primer
- 905/1 Rust End One Rust Converter
- 1114 Premium Haps-Free, Clear, Glossy External Pipe Coating
- 1122 Premium Haps-Free, Black, Glossy External Pipe Coating
- 710N Biodegradable Internal Drill Pipe Coating
- 799 Internal/Short Term External Coating

