

# CORINOX

Polycellulose Flakes

## LOST CIRCULATION MATERIAL

**Earth Pro Corinox** is a unique dual-purpose corrosion prevention chemical mixture in a liquid form. **Corinox** not only scavenges dissolved oxygen, it can also adsorb onto active corrosion sites (anodes) on drill pipe, casing and tubing in water based fluids.

Because of its filming ability, **Earth Pro Corinox** can reduce or prevent corrosion from small quantities of carbon dioxide and/or hydrogen sulfide. Unlike organic amines (cationic) that coat on solids, **Earth Pro Corinox's** organic components (anionic) do not adsorb onto solids in the drilling fluid and have very little effect on the rheology of water base drilling fluids.

Under normal conditions, for a program with a corrosion level of +25 mpy, initially add one pail of **Earth Pro Corinox** per 16 m<sup>3</sup> of fluid to be treated. Severe corrosion may require higher concentrations.

To assess the requirement of **Earth Pro Corinox** in any condition, it is best to use a corrosion rate method such as corrosion ring analysis or an instantaneous corrosion monitor.

If high corrosion rates persist and are determined to be oxygen related, supplemental additions of an oxygen scavenger such as sodium sulfite should be made to the system.

## PHYSICAL PROPERTIES:

**Appearance:** Clear, colorless liquid

**Specific Gravity:** 1.25

**Gravity:** -15°C

**Melting Point:** ↑150°C (PMCC)

## CHEMICAL PROPERTIES:

**Type:** Oxygen scavenger

**Solubility:** 100% soluble (water)

**pH:** 6.8-7.4

**Microtox:** 75% @ 1.0 L/m<sup>3</sup>

## MIXING & HANDLING

**Earth Pro Corinox** does not require any cumbersome equipment such as manual or automatic injection systems; therefore, it eliminates the problems of equipment failure and the cost of equipment rental and maintenance.

Avoid contact with eyes, skin and clothing. In case of contact, immediately wash with plenty of water. Flush eyes with flowing water immediately and continuously for twenty minutes. See a physician if necessary. Remove contaminated clothes and shoes. Wash before re-use.

**WHMIS:** Controlled (see SDS)

**TDG:** Not regulated

**Packaging:** 20L pail

