

# CAN-BREAK ECA

Chemical Breaker

## WATER-SOLUBLE CHEMICAL BREAKER

Earth Pro Can-Break ECA is an enzyme blend designed to break down and consume a wide range of natural and synthetic polymer chains excluding Xanthan gums.

Earth Pro Can-Break ECA works best in systems where downhole temperatures are below 60°C and the pH of the fluid has been reduced to 5.0 or below.

Regular dosage rates of 1.0 kg/m<sup>3</sup> will usually reduce viscosity within 24 hours. Pilot testing will ensure that sufficient product is available to break particular polymer blends.

Earth Pro Can-Break ECA is not expected to be damaging to the formation if pumped down the hole to break an in-situ polymer.

For soak solutions, Earth Pro Can-Break ECA may be made up in KCL brine solutions. It contains a citric acid buffer and should buffer the solution down to 4.0-5.0.

Do not use strong mineral acids to buffer this product, as a pH of less than 3.5 will totally denature the enzyme.

Earth Pro Can-Break ECA also provides a clean, economical method of reducing viscosity in polymer systems when separation of the liquid and solid phase is required for disposal.

## PHYSICAL PROPERTIES:

Appearance: White powder  
Specific Gravity: 1.6

## CHEMICAL PROPERTIES:

Type: Enzymes and acid blend  
Solubility: Soluble (water)

## MIXING & HANDLING

Earth Pro Can-Break ECA can be added directly to the mud system through the mixing hopper. It is advisable to use a dust mask and eye protection while mixing all powdered products.

In case of contact, immediately flush with copious amounts of water. Flush eyes with flowing water immediately and continuously for 20 minutes.

See a physician if necessary. Remove contaminated clothes and shoes. Wash clothes before re-use. Employ eye and skin protection when handling this product.

WHMIS: Controlled (see SDS)

TDG: Not regulated

Packaging: 20kg pail

