

IKC-50

IRON CONTROL

Description

IKC-50 is multi-functional chelating agent that helps to prevent the damage caused by iron during and after acid treatments. IKC-50 chelates both Fe⁺³ (ferric) and Fe⁺² (ferrous) iron in acid solutions. Chelation of the iron prevents it from forming insoluble compounds and precipitating out of the acid, thereby reducing the effectiveness of the treatment. The ferric and ferrous chelated iron stays in a soluble form that can be produced back with the treating fluid after the job. IKC-50 also helps to prevent the formation of acid sludge that may be caused by the presence of iron compounds.

Properties

Form: Liquid	Chemical Family: Organic Acid
Color: Colorless to light yellow	Solubility: Acid, water, brine
Odor: Mild	Wt. per Gal.: 9.93 lbs.
Charge: Anionic	Flash Point: None

Application

IKC-50 can be used in any strength of acid and at temperatures up to 200⁰ F (93.3°C). It is most effective at pH 4.5 or below. The amount of iron that may be present is dependent on the acid strength, contact time, temperature and the amount of iron contained in the formation and on tubular goods. IKC-50 at 1.0 gal/Mgal. of acid will chelate 170 ppm of ferric and ferrous iron.

Compatibility

IKC-50 is compatible with anionic and nonionic additives as well as with acid corrosion inhibitors. Caution must be exercised when running with strongly cationic materials. Do not mix or blend with any other additive prior to use.

Handling/Storage

Keep container tightly sealed to prevent evaporation and product contamination. IKC-50 is an eye and skin irritant. Do not get in eyes, on skin, or clothing. Use appropriate personal protective equipment to prevent all contact. Recommend use of rubber gloves, apron and chemical splash goggles. Refer to the Material Safety Data Sheet (MSDS) for handling and hazard data.

Packaging

IKC-50 is available in 55 gallon drums and 330 gallon tote tanks.