

Corrosion Inhibitor KMA034C

1. Introduction

Destructive reactions between metals and acids cause serious corrosion problems in acidizing operations. Corrosion inhibitors are generally required in acids to minimize these destructive reactions without introducing adverse effect on reactions between acids and formations.

KMA034C is blend of corrosion inhibition immediate and solvent/surfactant package in order to control the corrosion and pitting problems between acids such as hydrochloride acid and metals such as N80 tubulars.

2. Physical Properties and Hazards

Additive	Form	Specific Gravity	Water Solubility	Melting/Flash Point (°C)	Health Hazard	Physical Hazard	pH
KMA034C	Dark Brown Liquid	0.92-0.97	Soluble	-	Mucosa, Eye and Skin	None	3.0-7.0

3. Chemical Properties and Application

KMA034C is a highly performed acid corrosion inhibitor, which can be used in 5% to 28% HCl solutions, gelled acids, and mud acid systems at low KMA034 loading.

KMA034C presents superior dispersibility in water and most acids, resulting in good inhibitor distribution and tubular protection.

28% HCl acid containing KMA034C can be used at temperatures up to 300°F. Inhibitor aids such as formic acid and potassium iodide are helpful for corrosion inhibitions at higher temperatures.

4. Treatment

The recommended concentrations range from 2 to 35 Gal/1,000 Gal (2 to 35 L/m³) of the total acid blend depend on acid type, strength, bottom hole temperature, contact time, and other additives in acids.

5. Packaging

KMA034C is packed in 55 gallons HDPE drums or 265 gallons HDPE totes.

Keep it away from extreme conditions such as places near flames or direct sunlight.