

**MUD ACID COMPOSITION OF BRAND KR-2
FOR WELL TREATMENT IN TERRIGENOUS RESERVOIRS
TU – 2458-001-79640352-2009**

KR-2OC MODIFICATION

Function

Concentrate for mud acid composition preparation in field and steady-state conditions.

KR-2OC composition is used for simple mud acid treatment (MAT), as well as for high-tech bottom-hole treatment (BHT) with different reservoir stimulation technologies of wells with the terrigenous collector, with average resin content oil and surfactants - asphaltenes which contribute to the formation and stabilization of stable acid-oil emulsions and finely dispersed sediments of insoluble salts of metals (mostly sulfides).

Range of application

KR-2OC acid composition is recommended for stimulation of oil and gas recovery in colmataged producing wells in terrigenous collectors of oil wells, prone to resistant acid-oil emulsion formation.

Acid composition KR-2OC:

- prevents the formation of resistant high-viscosity oil emulsions and secondary sediments;
- Slows the reaction speed of the acid with the reservoir rock in 5-12 times, providing a deep penetration of the agent into the layer;
- Effectively washes the pores of the filter cake from asphalt, resin, and paraffin deposits;

- collector perforation walls get hydrophobized, resulting in deeper penetration of acid in a layer while increasing its permeability to oil;

- - Stabilizes the iron ions in solution by dissolving the iron-containing rocks and sediments, provides a low corrosivity.

Production and delivery

Acid composition **KR-2OC** is produced in the form of of concentrate for acid compositions preparation in the field and steady-state conditions.

Shipment of acid composition made from production facilities in cities of UFA and Buzuluk:

1. In bulk – in rail tank cars, fiberglass, gummed, plastic lined tank car;
2. Packaging – in 1 m3 IBC-containers; in 227l of plastic barrels.

Usage

In a case when acid composition **KR-2OC** is delivered as a concentrate the desired concentration of the working solution is reached by diluting fresh water.

The visiting specialists on "Krezol" solutions service will provide you with the selection of optimal consumption rates and acid composition **KR-2OC** injection technologies on specific fields of the Customer.

Basic properties of the composition

Appearance	Liquid from yellow to reddish colour
Mass fraction of hydrogen chloride,%, in the range of	11,0-34,0
Mass fraction of hydrogen fluoride,%, in the range of	4,0-5,0
Density at at 20 °C, g/cm3	1,08-1,14
Mass fraction of iron,%, no more than	0,001

Certifications

