



At AKRAW QUÍMICA SAS, we develop **specialized chemical products for all industrial sectors, providing tailor-made solutions to improve operational efficiency.**

Our engineering team has more than **25 years of experience** supporting customers in **reducing production costs and improving competitiveness.**

Chemical Technologies for the Oil & Gas Industry

We supply standard products and develop customized solutions for Drilling, Cementing, Production, Stimulation and Transportation.

Solids Control	APPLICATION	ACTIVE INGREDIENT	AKRAW REFERENCE	PACKAGING
	Acids	Acetic Acid 99%	AKRAW Acetic Acid 99%	30 kg Jerrycan
		Citric Acid 50%	AKRAW Citric Acid 50%	20 kg Jerrycan
	Oxidizing Agent	Sodium Metabisulfite Powder	AKRAW Sodium Metabisulfite	25 kg Bag
		Hydrogen Peroxide 50%	AKRAW Hydrogen Peroxide 50%	30 kg Jerrycan
	Oxidizing Biocide	Calcium Hypochlorite 70%	AKRAW Calcium Hypochlorite 70%	45 kg Drum
		Sodium Hypochlorite 15%	AKRAW Sodium Hypochlorite 15%	25 kg Jerrycan
	Inorganic Coagulant	Powdered PAC 30%	AKRAW PAC 30%	25 kg Bag
	High-Solubility Polymer	Cationic	AKRAW 202351	25 kg Bag
		Nonionic PAM	AKRAW 202300	25 kg Bag



Completion Fluids

APPLICATION	ACTIVE INGREDIENT	AKRAW REFERENCE	PACKAGING
Antifoam	Surfactant & Silicone Blend	AKRAW 201221	20 kg Jerrycan
Non-Oxidizing Biocide	Glutaraldehyde 50%	AKRAW Glutaraldehyde 50%	200 kg Drum
	Glutaraldehyde 25%	AKRAW 201325	20 kg Jerrycan
	Isothiazolinone 15%	AKRAW Isothiazolinone 15%	250 kg Drum
Mud Dispersant	Sodium Polyacrylate	AKRAW Sodium Polyacrylate	25 kg Bag
Alkalizing Agent	Hydrated Lime	AKRAW Hydrated Lime	10 kg Bag
	Caustic Soda	AKRAW Caustic Soda	25 kg Bag
Corrosion & Scale Inhibitor	Imidazoline and Phosphonates	AKRAW 203505	20 kg Jerrycan
Oxygen Scavenger	Sodium Bisulfite 35%	AKRAW Sodium Bisulfite 35%	250 kg Drum

Production

APPLICATION	ACTIVE INGREDIENT	AKRAW REFERENCE	PACKAGING
Antifoam	Silicone Blend	AKRAW 203205	170 kg Drum
Non-Oxidizing Biocide	THPS 75%	AKRAW THPS 75%	275 kg Drum
Asphaltene Dispersant	Blend	AKRAW 204208	180 kg Drum
Dual Corrosion Inhibitor	Phosphonate, Polyacrylate Blend	AKRAW 203505	200 kg Drum
Universal Breaker	Base Blend	AKRAW 203100	190 kg Drum
Inverse Breaker	Various Bases	AKRAW 203753	200-270 kg Drum
		AKRAW 203706	
		AKRAW 203737	
H ₂ S Scavenger	Triazine Blend	AKRAW 203402	200 kg Drum
Solvent	N-PROPANOL	AKRAW N - PROPANOL	160 kg Drum
Surfactant	Linear Alkylbenzene Sulfonic Acid	AKRAW LABSA	250 kg Drum



AKRAW 201950

Enzymatic Wellbore Cleanup System

AKRAW 201950 is an advanced enzymatic formulation

Specifically developed to remove formation damage caused by polymer-based drilling fluids. By hydrolyzing natural and modified polymers such as starch and xanthan gum, the product effectively degrades filter cake, restores formation permeability, and enhances well productivity after drilling operations. Unlike conventional acid or oxidizing treatments, AKRAW 201950 minimizes treatment fluid losses while providing controlled and efficient cleanup performance.

Key Benefits

- ✓ Effectively removes polymer filter cake from the formation face.
- ✓ Restores formation permeability and helps improve oil and gas production.
- ✓ Enzymatic treatment minimizes fluid losses compared with conventional acid and oxidizing treatments.
- ✓ Efficiently degrades starch- and xanthan-based drilling fluid residues.
- ✓ Compatible with potassium chloride (KCl), clay stabilizers, and non-ionic surfactants.
- ✓ Excellent performance over a wide operating temperature range of 60–120°C.
- ✓ High-temperature stability allows complete viscosity reduction with very low enzyme dosage.
- ✓ Viscosity breaking time can be controlled by adjusting enzyme concentration.
- ✓ Environmentally friendly enzymatic technology.
- ✓ Suitable for conventional, horizontal, and multilateral wells.

AKRAW 201950

Enzymatic Wellbore Cleanup System

Typical Applications

- Post-drilling wellbore cleanup.
- Removal of polymer filter cake.
- Water-based drilling fluid systems.
- Starch-based drilling muds.
- Xanthan gum drilling fluids.
- Formation damage remediation.
- Horizontal well cleanup.
- Multilateral well cleanup.
- Coil tubing applications.
- Drill string cleanup treatments.

Recommended Operating Conditions

- ✓ **Recommended dosage:** 2–8%
- ✓ **Operating pH:** 5,0–8,5
- ✓ **Operating temperature:** 60–120°C
- ✓ **Base fluid:** Water-based brine containing 2% KCl
- ✓ **Recommended soaking time:** 12–24 hours

The product is uniformly applied at the end of drilling operations. It can also be pumped through coiled tubing after well completion. In horizontal and multilateral wells, cleanup may be performed during drilling through the drill string, potentially eliminating the need for a separate coiled tubing cleanup operation.

Why Choose AKRAW 201950?

AKRAW 201950 combines **highly effective enzymatic technology** with operational flexibility to provide reliable wellbore cleanup under demanding field conditions. Its compatibility with common drilling fluid additives, excellent thermal stability, and controlled viscosity reduction make it an efficient alternative to conventional chemical breaker systems while helping maximize well productivity. This positioning reflects the product's described operating characteristics and intended use in the technical information sheet.



www.akrawchemical.com

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