

Clay Stabilizer

PHYSICAL DESCRIPTION

Appearance	Colourless to Pale Brown, free flowing liquid
Freezing Point	-40°C
Specific Gravity	0.98 – 1.02
Solubility	Water, Methanol
Odour	Alcohol-like
pH	6.8 – 7.8
Activity	28%

PROPERTIES

CFR Chemicals CCS-103 is a specialized water-soluble liquid, highly concentrated clay stabilizer designed to prevent the hydration of formation clays during drilling operations.

CCS-103 can be used as a KCl substitute.

CCS-103 is compatible with KCl solutions and can be used in conjunction as an additive to enhance performance.

BENEFITS

CCS-103 is a reliable and field proven clay stabilizer

CCS-103 is winterized and displays lower viscosity at lower temperatures than comparable products from CFR Chemicals.

Clay Stabilizer

MIXING &
HANDLING
INSTRUCTIONSCAUTION,
SHIPPING & HANDLING

CCS-103 is typically added at rate of 2400 ml (2.4 liters) per 1000 Liters (in equivalence to 3% KCl).

Flammable liquid and vapour. Causes skin irritation, Causes serious eye irritation. Toxic if swallowed, in contact with skin, or inhaled. Causes damage to organs.

Handle with care as with any industrial chemical.

Wash contacted area with large quantities of water.

CCS-103 is available in 20 Liter pails, 205 Liter drums and in bulk.

Safety Data Sheets are available outlining safe handling practices.

Disposal should be in accordance with all applicable federal, provincial, and local environmental regulations and laws.

For additional assistance or information, please contact your nearest CFR Chemicals Representative

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Blend Rates in Liters per 5 Cubes

Equivalence of KCL Required	Volume of Solution Required, L							
	5000	10000	15000	20000	25000	30000	40000	50000
	Volume of CCS-103 to Use							
1%	4.00	8.00	12.00	16.00	20.00	24.00	32.00	40.00
2%	8.00	16.00	24.00	32.00	40.00	48.00	64.00	80.00
3%	12.00	24.00	36.00	48.00	60.00	72.00	96.00	120.00
5%	20.00	40.00	60.00	80.00	100.00	120.00	160.00	200.00
7%	28.00	56.00	84.00	112.00	140.00	168.00	224.00	280.00

NOTE: Blend 800ml for 1 cube at 1%