Armohib CI-209

Imidazoline

Cationic imidazoline oil-based mud additive in a liquid solution with a pH of 11.

Specifications

Nouryon

Appearance	Green amber liquid at 25°C
Total Amine	4.5-4.8 meq/g
Moisture	<u>≤</u> 0.20 %
pH	10.0-12.0 (5% in 3:1 IPA/H20)

Characteristics

Appearance	Liquid dark amber at 25°C
Brookfield viscosity, 77°F	200 cps
Density	7.8 Lbs/Gal at 25°C
Flash point	≥93.3 C
Odor	Amine
рН	11 (5% in 3:1 IPA/H20)
Pour point	≤ -1.1 °C
Solubility: 10% in Aromatic 150	Soluble
Solubility: 10% in Heavy Aromatic Naphtha	Soluble
Solubility: 10% in Isopropyl Alcohol	Soluble
Solubility: 10% in Kerosene	Soluble
Solubility: 10% in Toluene	Soluble
Solubility: 10% in Water	Insoluble
Solubility: 10% in Xylene	Soluble
Solubility: 50% in Aromatic 150	Soluble
Solubility: 50% in Heavy Aromatic Naphtha	Soluble
Solubility: 50% in Isopropyl Alcohol	Soluble
Solubility: 50% in Kerosene	Soluble
Solubility: 50% in Toluene	Soluble
Solubility: 50% in Water	Insoluble
Solubility: 50% in Xylene	Soluble

Notes:

Typical Data are based on our own measurements or derived from the literature. They do not constitute part of the delivery specification.

Applications

Armohib CI-209 is a complex amidoamine. Corrosion inhibitors formulated with this unique organic base display high film persistency against the attack of severely corrosive fluids and gases in sour (H2S) and sweet (CO2) environments. Because the product can be formulated into oil-soluble, oil-soluble/water-dispersible or water-soluble inhibitors, the finished formulations readily disperse in hydrocarbon solvents, water and brine. As a result, corrosion inhibitors formulated with Armohib CI-209 are able to work effectively in a wide range of tough chemical and physical environments, providing the formulator with superior versatility and low inventory requirements.

Additional information

Armohib CI-209 is a corrosion inhibitor base developed especially to meet the needs of the oil and gas industry. Armohib CI-209 is a high quality base imidazoline that has the potential to be formulated to meet a broad spectrum of inhibitor requirements. Armohib CI-209 formulations will provide excellent protection in most treating environments. Depending upon the method of preparation, Armohib CI-209 formulations are effective in producing well, pipeline and water handling applications.

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