Petro IPSA

Diisopropyl Naphthalene Sulfonic Acid

Anionic alkylaryl sulfonate secondary demulsifier additive for slug treaters

Characteristics

Appearance	Viscous Liquid, Dark Amber at 25°C
Brookfield viscosity, 77°F	4500 cps
Density	8.2 Lbs/Gal at 25ºC
Flash point	≥93.3 C
Odor	Solvent
pH	≤ 2 at 5% solution
Pour point	-7.8 °C
Relative Solubility Number	16.9
Water content	≤ 6.0 %
Solubility: 10% in Aromatic 150	Soluble
Solubility: 10% in Isopropyl Alcohol	Soluble
Solubility: 10% in Kerosene	Dispersible
Solubility: 10% in Water	Emulsion
Solubility: 10% in Xylene	Soluble
Solubility: 50% in Aromatic 150	Soluble
Solubility: 50% in Isopropyl Alcohol	Soluble
Solubility: 50% in Kerosene	Soluble
Solubility: 50% in Water	Emulsion
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

Witco Petro® IPSA is an alky naphthalene sulfonic acid. This product may be diluted and used in the acid form, or it may be neutralized prior to dilution and use. Typically, ammonia or an inexpensive amine is utilized to neutralize Petro® IPSA. Witco Petro® IPSA works by effectively neutralizing the strength of the natural emulsifying agent, allowing the finely dispersed water droplets to coalesce. As the tiny water droplets merge into progressively large and heavier drops, the water settles and the oil rapidly rises to the top. The result is a sharp, well-defined oil/water interface and bright, clean and marketable oil.

Additional information

Witco Petro® IPSA is one of Nouryon's high performance emulsion-breaker chemicals. Witco Petro® IPSA has been specifically developed to provide fast resolution of difficult bad oil and tank bottom emulsions. Witco Petro® IPSA displays exceptional performance in the removal of B.S., the reduction of sludge, the elimination of viscous oil/water interfaces, and the water-wetting of entrained solids. Its unique chemistry enables the intermediate to be blended by itself or with other demulsifier bases to achieve very specific applications for a wide variety of difficult to treat emulsions. Finished formulations may be used in the treatment of tank bottoms, waste oils, low gravity crudes and high solids emulsions.

Nouryon