

Fields of application

PD65 paraffin dispersant is a liquid, organic, surface active chemical for use in crude oil to control the deposition of paraffin. It is a mixture of surfactants and penetrants combined in selective solvents. This oil soluble and water dispersible formulation is effective in removing and preventing paraffin buildup in production equipment.

Highlights

Features	Benefits
Removes paraffin deposits	Regain lost production
Prevents paraffin deposition	Keeps production systems clean and flowing, lowers maintenance costs
Removes tank bottom deposits	Increased production and storage
Excellent cold weather handling properties	Minimal storage and pumping requirements

Specifications

Parameters	Specified limits
Appearance	Yellow - Brown Viscous Clear Liquid
Moisture Content %	0,5% max
pH 10% in D/W	6 - 8

Typical properties

Specific gravity	0,98
Flash point	>65 °C
Solubility	Oil soluble, water dispersible
Ionic character	Anionic

Application

PD 65 paraffin dispersant is most effective in preventing paraffin buildup by keeping paraffin particles in a dispersed state. It can also redisperse accumulations, particularly tank bottoms. It removes accumulated paraffin deposits by use of its surface active and penetrative powers. It is particularly effective in dispersing paraffin in oil. It can act in several ways in a system. First, it removes or isolates components which act as seeds for the growth of paraffin. Second, it forms a charged coating around paraffin particles which prevents their sticking together. If added continuously to a clean system, it prevents growth of paraffin and if paraffin growth is already present, it separates the particles. This product can be used in batch treatments to remove existing paraffin deposits or continuously injected to help keep paraffin deposits from forming.

Tank Bottom Treating: To dissolve tank bottoms, remove oil from tank and batch 10 to 20 gallons on to the deposit. Allow to soak six hours for soft bottoms and up to 24 hours for hard bottoms. Fill tank with crude and circulate.

Batch Treatments: To remove paraffin from tubing or flowlines, batch 10 to 15 gallons down the casing or flowline on a weekly or biweekly basis. Frequency of treatments will depend on severity of problems.

Continuous Treating: To keep paraffin from depositing or slowly remove existing deposits, start at one gal per 25 barrels of oil production (1000 ppm). Then reduce until optimum rate is found.

Plugged Flowlines, Stuck Pumps, Formation Face Cleanup, Equipment Clean-out: The above problems can be handled using batch rates from 10 gallons to two drums, depending upon severity of the problem. With any solvent, direct contact with the paraffin for sufficient time is necessary for it to work

Dosage recommendation

Dosage requirement may range from 500 ppm to 1000ppm, depending on the severity of paraffin wax deposit.

Packaging

The product is supplied in 50 - 200 kg. HMHDPE barrels (net weight).

Storage and Handling

Before handling, storage or use, see the Material Safety Data Sheet (MSDS) for details.