

Envirosol One-Shot Acid system

Efficient acid remediation with low environmental impact

The **Envirosol One-Shot Acid™ system** increases acid remediation and stimulation efficiency, saves time, and significantly reduces treatment volumes. This system merges two common operations in one-step as it enables to remove both organic and inorganic materials simultaneously.

The **Envirosol One-Shot Acid system** is a completely environmental compliant dispersion comprised of a biodegradable and BTEX free organic solvent, an aqueous acid, and the environmental compliant surfactant NE-520 free of nonylphenol. The organic solvent disperses and dissolves solid asphaltic and paraffin residue. This permits the acid to react with scales, silt, and other acid soluble compounds. Dispersion is customizable for specific downhole conditions or risk scenarios.

Paravan 35 or Paravan 30 can be used in this system in 5 to 25 % (by volume). These multipurpose solvents are biodegradable, essentially nontoxic, high-boiling-point alternative to hazardous solvents, such as xylene.

Safety Precautions

Refer to the safety data sheets (SDS) for additional handling, transport, environmental, and first aid information.

Resources

SDS

Typical Properties

Appearance	Amber liquid
Character	nonionic
Specific gravity	0.987 to 1.047
Flash point	>120°F (48.8°C)
Typical Temperature Range	120°F (48°C) to 300°F (148°C)

- Minimizes the risk of emulsions and water blocks
- Improves post-treatment recovery as formation is left water wet

Applications

- Operations in environmentally-sensitive regions
- Removal of acid-soluble scale
- Asphaltene and paraffin remediation
- Matrix acidizing treatments
- Tubing pickling

Benefits

- Biodegradable and environmental compliant solvent and surfactant mix
- Contains no E.U. and U.S. EPA priority pollutants, BTEX, chlorine, heavy metals, or nonylphenol
- Reduces HSE risks
- Minimizes environmental impact without sacrificing performance
- Increases transparency of chemical composition to stakeholders
- One-step removal of organic and acid-soluble inorganic materials
- Eliminates the need for a solvent presoak to remove organic material before a scale remediation operation
- Mitigates the risk of acid-induced asphaltene sludge
- Reduces the risk of wax crystallization while injecting cool treating fluids
- Enhanced wellbore and formation cleaning
- Prevents the re-adsorption of organic (polar aromatic) material during and after treatment