

# One-Shot Acid Prime system

Reduce health and environmental impact in remediation operations

The **One-Shot Acid Prime system** decreases the environmental impact of acid remediation operations without sacrificing performance. Its unique formulation enables the removal of both organic and inorganic materials simultaneously, reducing the time of treatment volumes.

The system is applied as a dispersion consisting of an aromatic solvent, an aqueous acid, a corrosion inhibitor, and a surfactant. The organic solvent, when applied, disperses and partially dissolves solid asphaltic and paraffin residue.

## Typical Properties

Appearance	Amber liquid
Character	Nonionic
Specific gravity	Depends on aromatic solvent used
Flash point	Depends on aromatic solvent used
Typical Temperature Range	120°F (48.8°C) to 250°F (121.1°C)

This permits the acid to react with present scales, silt, and other acid soluble compounds. The dispersion can be tailored to suite specific downhole conditions.

The One-Shot Acid Prime system uses the surfactant NE-520—free of E.U. and U.S. EPA priority pollutants and nonylphenol. The reformulation improves the system’s hazard profile by eliminating several hazardous components including volatile organic compounds, priority pollutants, and suspected carcinogens. Various solvents may be used to prepare the One-Shot Acid Prime system including Xylene, or Paravan 28, and Paravan 29 (d’limonene, or d’limonene/pine terpene solvents) for their properties to disperse and clean surfaces with asphaltene and paraffin precipitation.

## Safety Precautions

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

## References

SDS

## Applications

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

## Benefits

- Solvent and acid dispersion with environmentally compliant surfactant NE-520
- Surfactant is free of EU and U.S. EPA priority pollutants and nonylphenol
- Reduces HSE risk
- Decreases environmental impact without sacrificing performance
- 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
- Surfactant has both surfactant and non-emulsifier properties to create dispersion and break clean after cleaning of organic material
- Dissolves common oilfield scales
- Enhanced wellbore and formation cleaning
- Minimizes the risk of emulsions and water blocks
- Mitigates the risk of acid-induced asphaltene sludge
- Reduces the risk of wax crystallization