

Organic Scale Remover KMA041R

1. Introduction

Wax or asphaltene deposits introduce various well production problems in daily operational activities. Problems include composite scales (organic and inorganic) in wellbore, matrix or gravel packs and organic deposits around downhole tools, tubulars or other well equipment.

S³ acid is a specially formulated multi-phase fluid using key organic solvent KMA041R as its external phase. It is capable of removing the aforementioned inorganic scales and organic deposits effectively at the same time.

2. Physical Properties and Hazards

Additive	Form	Specific Gravity	Water Solubility	Melting/Flash Point (°C)	Health Hazard	Physical Hazard	pH
KMA041R	Clear Liquid	0.80-0.90	Immiscible	48	Inhalation, Eyes	Fire	-

3. Chemical Properties and Application

KMA041R serves as organic solvent in S³ acid systems with well-defined functional characteristics. Its primary function is to dissolve paraffin and asphaltene deposit and disperse the inter-layered inorganic and organic scale mixtures. When KMA041R is blended with acid solutions and dispersant, it generates uniform two-phase fluids (S³ fluids) that allow solvent and acid to dissolve the composite scales simultaneously.

KMA041R is compatible and works together with KMA046 and KMA054 in S³ fluid systems, which can be used up to BHST 275°F for most application conditions.

4. Treatment

The recommended concentration of KMA041R is 150-200 Gal/1,000 Gal of S³ acid.

5. Packaging

KMA041R is supplied in 55 gallons high density polyethylene (HDPE) drums or 265 gallons HDPE totes. Keep it away from extreme conditions such as places near flames or direct sunlight.