

Demulsifier KMA025

1. Introduction

Emulsions have adverse effects on production of oil and gas if they are formed at either reservoir, wellbore or surface facility. Demulsifiers are generally utilized to break the emulsions and recover the oil & gas production.

KMA025 is a demulsifier formulated by mixing various surfactants. Its superior surface active properties enable it to clean up emulsion damages in wellbore, reservoir and surface pipelines.

2. Physical Properties and Hazards

Additive	Form	Specific Gravity	Water Solubility	Melting/Flash Point (°C)	Health Hazard	Physical Hazard	pH
KMA025	Clear Liquid	0.80-0.90	Miscible	17.2	Skin, Eye	Fire	7.0-8.0

3. Chemical Properties and Application

KMA025 reduces the surface and interfacial tension between the two liquid phases and disrupts the emulsification mechanism that maintains the emulsion stability. In addition to working as a demulsifier, KMA025 can also behave as a detergent to clean up the mud, cuttings and iron sulfide damage around fracture and wellbore.

KMA025 can also function as a foaming agent to help reduce the hydrostatic weight and unload the well to facilitate the flowback of various treatment fluids including frac fluids, spent acids and other wellbore cleanup fluids.

4. Treatment

The normal concentration range is 0.5 to 3 gal/1,000 Gal (1 to 3 L/m³) of treatment fluid for use as a demulsifier. May require high concentration up to 10 gal/1,000 Gal (10 L/m³) when used as a foaming agent.

5. Packaging

KMA025 is supplied in 55 gallons high density polyethylene (HDPE) drums.

Keep it away from extreme conditions such as places near flames or direct sunlight.