

Breaker KHF043

1. Introduction

Proppant-pack permeability can be severely damaged by linear or crosslinked fracturing gels. The amount of damage increases as gel concentration increases. Breakers are generally used to reduce the viscosity of the fracturing fluids by degrading the gels that is concentrated in the proppant pack. After fracturing treatment is completed, The frac gel needs to be broken to facilitate flowback and reduce the damage of fracturing fluid to the formation.

Liquid breaker KHF043 is a peroxide breaker, which can break the fracturing fluid quickly and facilitate the flowback of the treatment fluids.

2. Physical Properties and Hazards

Additive	Form	Specific Gravity	Water Solubility	Melting/Flash Point (°C)	Health Hazard	Physical Hazard	pH
KHF043	Clear Liquid	1.10-1.20	Soluble	-	Eyes, Skin	Fire	<3

3. Chemical Properties and Application

Breaker KHF043 is used to break cross-linked fluid in highly viscous fracturing fluids. As a peroxide breaker, KHF043 enables rapid breaking of crosslinked fracturing fluids and enhances flowback of treatment fluids in the temperature range from 180°F to 235°F.

KHF043 is compatible with most additives used in OPTiFrac and MaxFrac fluid systems.

4. Treatment

Typical concentrations of KHF043 range from 0.5 to 3 Gal/1,000 Gal of fracturing fluid depend on the fluid formulations and application temperature.

5. Packaging

KHF043 is supplied in 55 gallons high density polyethylene (HDPE) drums.

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