

ASU 1001

SURFACE TENSION REDUCER(SURFACTANT)

Application

Surfactants reduce the surface tension and/or interfacial tension between fluids, between fluid and formation, and between fluid and tubular surfaces. They are commonly used in all types of treating fluids. Surfactants aid cleanup formation through preventing emulsions, reducing surface and interfacial tension, and altering wettability. This surfactant is an effective surface tension reducer designed to be used in water-base fracturing fluids and acid solutions. It has proven to be effective in oil and gas producing wells for providing more rapid and complete recovery of the treating fluids. This surfactant is compatible with most stimulation additives and has the property of water-wetting both sand and limestone formations. Low concentrations (0.1 to 0.6 volume percent) reduce surface and interfacial tension, enhancing cleanup and reducing flow-back time.

Physical and chemical properties

Item	Description	Properties
1	Physical	Light Yellow Liquid
2	Odor	Alcohol-like
3	Solubility in water	Soluble

Features

Surfactant Properties

Increases fluid recovery by altering interfacial and surface tension between treatment fluids and rock surfaces to lower surface tension.

Compatibility

Compatible with most acid and other surfactants which are used in acid stimulation treatment.

Benefits

Water-wets the formation rock.

Provides rapid and more complete recovery of injected water-based systems.

Increases fluid recovery in order to optimize production quickly following well treatment.

Packaging

Drum: 55 gal