



APPLICATION:

Hydrogen Sulfide (H₂S) is a poisonous gas that is deadly at high concentrations and poses serious health threats at moderate concentrations. Operating problems caused by H₂S can include severe corrosion and fouling, and injection-well plugging with iron sulfides. Because of its obnoxious characteristics, it is necessary to remove it during processing, before the end use.

CHEMICAL STRUCTURE:

The S-420 molecule is based on Hydroxyl Hydroxyethyl Triazene. Its Hydroxyl groups on the side chains increase the hydrophilicity of the molecule, making it ideally suited for reactions in the aqueous phase. The hydroxyethyl functional groups add a more hydrophobic character, allowing for removal of H₂S directly in the well itself. S-420 has low dosage rates reducing the number of totes to be transported from your yard to the well site.

ROUTE OF ACTION:

S-420 generates reaction products that are also water soluble, with very low toxicity characteristics and biodegradability, making this an easy to manage system in most H₂S scavenger applications.

COMPATIBILITY:

Compatibility with brine, calcium chloride, KCl solutions as well as all known fracturing fluids, cross-linkers and breakers.

ENVIRONMENT:

Environmentally friendly. S-420 is manufactured using bio renewable raw materials and is degradable with a short half life.

PACKAGING:

Bulk, Totes, & Pails.

Read the Safety Data Sheet for complete handling information before using or storing this product.
The SDS is available upon request or on our website at mountainoilfield.com.