FQE® H₂S Scavenger is a proprietary blend of non-toxic, non-hazardous surface active compounds and proprietary polymeric reactants designed for application in operations where hydrogen sulfide generation is a hazard.

The product is designed to specifically convert hydrogen sulfide to a non-hazardous compound at alkaline pH, and the conversion product will not revert to generating hydrogen sulfide at acidic pH levels. Application at an acidic pH is possible, but requires the use of more FQE H₂S Scavenger product to effectively remove the hydrogen sulfide present.

This product is especially effective in mitigating high concentrations of hydrogen sulfide commonly encountered in refinery and other chemical manufacturing operations. It is water dilutable and can be applied as a full strength product or a diluted material at less active concentrations.

**Application**

FQE H₂S Scavenger can be applied using any convenient sprayer system, either automatic or manually operated, or by pump circulation in larger vessel container sizes. It can also be applied in tanks and towers by steam injection during degassing operations.

**Dilution**

It is recommended that FQE H₂S Scavenger be applied at concentrations of one part to every two parts of hydrogen sulfide as aqueous dilutions. No special safety equipment is required for use of this product.
White Papers
Our white papers provide deep insights into industry problems and how our innovative chemical products solve them.

fqechemicals.com/resources

CASE HISTORY

Rail Car Chemical Decontamination & Change of Service

Results Achieved
over 20 times, saving thousands of dollars in manpower and equipment charges
Cleaning efficiency increased
removed all traces of LEL and H2S left over after chemical cleaning

Chemicals Utilized
LEL-V
A service company utilized FQE® Solvent-ME, FQE® Clean Road, and FQE® LEL-V for a rail car cleaning application at petroleum refinery located in Delaware.

dark oil (crude oil) to clear fluid (ethanol) service. The cars needed to be fully de-oiled to eliminate any possibility of cross contamination before the cars completely transitioned to the new fluid service. Previously, the client had been cleaning their rail cars from any possibility of cross contamination before the cars completely transitioned to the new fluid service. Previously, the client had been cleaning their rail cars from

FQE Solvent-ME was vapour-phased injected with steam into the rail cars at a controlled rate until the effluent coming out of the bottoms drain was oil-free.

To ensure that all the cars were truly de-oiled; down to the porous cavities in the steel surface, FQE Clean Road was applied to remove all remaining heavy deposits at the cone of the vessel.

FQE Solvent-H was applied first to dissolve and flush away heavy deposits at the bottom of the vessel. Afterward, FQE LEL-V and FQE® H2S were applied to the bottom of the vessel. Afterward, FQE LEL-V and FQE® H2S were applied to

Minimal sludge deposits were present due to the solvent that was trapped in the asphaltene buildup in the mixture. The previous attempt by a competitor to clean the settler left LEL

Chemical Decontamination of a

Typical Separation Settler Diagram

SOLVENT & FROTH & WATER, SOLIDS UNDERFLOW DEFECTOR VAPOUR PLATE SPACE FEEDWELL LIP LAUNDER 60˚