FQE® Solvent-ME is a concentrated liquid solvent cleaner containing selected aromatic petroleum solvents together with a blend of anionic and non-ionic emulsifiers and penetrating agents.

It is designed to be a high flash point emulsion solvent for difficult hydrocarbon soils. FQE Solvent-ME functions as a micro-emulsion system to suppress the flash point and give the product a non-combustible rating. A unique feature of FQE Solvent-ME is it will leave a water-wet surface following rinsing with water.

**Application**
FQE Solvent-ME can be applied by any convenient non-atomizing method. It should be used in areas with good ventilation and kept away from open flames. It can be added to solvents and solvent cleaners for improved solubilization of heavy tars and asphalt.

**Dilution**
FQE Solvent-ME can be applied in the concentrated form. For lighter soils, it may be diluted up to 50:1 with water or naphtha solvent.
CASE HISTORY

Rail Car Chemical Decontamination

Results Achieved
- over 20 times, saving thousands
- Cleaning efficiency increased
- removed all traces of LEL and H₂S
- 50% reduction in down time

Chemicals Utilized
- Minimal sludge deposits were
- FQE Solvent-ME, FQE Clean Road, and FQE LEL-V

A service company utilized FQE® Solvent-ME, FQE® Clean Road, and FQE® LEL-V for a rail car cleaning application at a petroleum refinery located in Delaware. The refiner was looking to conduct a change of service on their rail cars at a rate of around 1 car every 4-5 days and was looking for a more efficient alternative to meet their tight timelines. The client had been cleaning any possibility of cross contamination

As part of the initial decontamination process to remove the bulk of the crude oil, 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 subsequently applied.

Improve efficiency and financial performance

Primary Separation Settler

Chemical Decontamination of a

CASE HISTORY

Clean Cone Bottom

Chemicals Utilized
- FQE® Solvent-H

Results Achieved
- 60˚ Large primary separation settler in record time.
- With a minimum deposit residue at the bottom.

Chemicals Method.

FQE Solvent-H was applied first to dissolve and flush away heavy deposits at the cone of the vessel.

The vessel had a top cylindrical section with an internal diameter of 15.2 meters, and the product in the vessel was made up of mostly solvent (C₅/C₆), and bitumen. The product in the vessel was made up of mostly solvent (C₅/C₆), and bitumen.

The refiner was looking to conduct a change of service on their rail cars from any possibility of cross contamination. The previous attempt by a competitor to clean the settler left LEL and H₂S respectively. The whole operation was done in record time over a scheduled 12-hour period. Upon completion of the injection period, the equipment was oil-free.

Equipment Cleaned
- Three Stripper Towers
- Coker Fractionator
- Pentane Absorber

FQE® LEL-V, FQE® H₂S reduced to 0.

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