FQE® Solvent PR+ is highly effective in dissolving solid hydrocarbon deposits.

These hydrocarbon deposits are typically found in vacuum tower bottoms, coker fractionator bottoms, oil storage tanks, heat exchangers and other processing equipment that is typically confused for coke deposits and takes days to remove mechanically. By rapidly liquefying hydrocarbon solids, FQE Solvent PR+ will reduce outage days, reduce waste volumes and improve hydrocarbon recovery substantially cutting the cost of maintenance outages. FQE Solvent PR+ is very effective in dissolving hydrocarbon-based solids common to refinery operations such as asphaltenes, resin and various polymers (butadiene/styrene). Solvent PR+ is non-corrosive to stainless steel and all soft metals and will not harm refinery catalyst activity.

Application

FQE Solvent PR+ can be applied by any convenient non-atomizing method; liquid circulation/cascade. It should be used in areas with good ventilation and kept away from open flames. FQE Solvent PR+ is recommended for use on refinery equipment, petrochemicals equipment, hydrocarbon stained concrete pads, cleaning metal parts and other hard surfaces. It is especially effective on removing heavy tars and greases from surfaces and in the decontamination of exchangers and other process equipment. FQE Solvent PR+ may also be used in vapor phase application injection into steam due to its unique ability to dissipate static electrical charges that may be of concern.

Dilution

FQE Solvent PR+ can be applied in the concentrated form. It can also be diluted 5% to 10% by volume in a hydrocarbon carrier or mixed with a suitable detergent cleaning solution when a water-based cleaner is desired. This product may also be used in vapor-phase applications injected into saturated steam or nitrogen.
Visit our website to access technical bulletins, white papers, videos and our extensive library of case histories.

**Case Histories**
Access a wide range of case histories to learn about the variety of applications our chemicals are utilized for.

fqechemicals.com/case-histories

**White Papers**
Our white papers provide deep insights into industry problems and how our innovative chemical products solve them.

fqechemicals.com/resources

**Video Library**
View videos from our lab where we have tested a range of client samples to show how effective our chemicals are.

fqechemicals.com/videos

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**Case History**

**Rail Car Chemical Decontamination & Change of Service**

**Results Achieved**
- Over 20 times, saving thousands
- Cleaning efficiency increased
- 2S reduced to 0
- Costs and timelines by 12-24 hours
- Process saved 12-24 hours of outage time

**Chemicals Utilized**
- FQE® Solvent-ME
- FQE® Clean Road
- FQE® LEL-V

**Case History**

**Degassing of a Coker Fractionator**

**Results Achieved**
- 90°C Feedwell temperature increase
- Removal of heavy sludge in the asphaltene buildup
- No delays
- Process saved 12-24 hours of outage time

**Chemicals Utilized**
- FQE® Solvent-H
- FQE® LEL-V
- FQE® H2S
- FQE® Pyrophoric

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