TECHNICAL BULLETIN

FQE® Dithiazine Clean

Effective in dissolving dithiazine solids

FQE® Dithiazine Clean is designed to specifically dissolve insoluble dithiazine solids in an aqueous fluid stream.

In the event that elemental sulfur is also present, a proprietary sequesterant is employed for suspension of the sulfur for fluid removal. The conversion products will not revert to generating hydrogen sulfide nor result in precipitated solids downstream. This product is water dilutable and can be applied as a full strength product or a diluted material at less active concentrations.

**Application**

FQE Dithiazine Clean is typically applied by liquid fill and circulate of columns and contactors. Pipelines may be effectively decontaminated by pig slugging with an aqueous mixture of the product. It is recommended that the product be applied at elevated temperatures of 60°C (140°F), but can be also accomplished at ambient temperature as may be required in remote application.

**Dilution**

It is recommended that FQE Dithiazine Clean be applied at concentrations of 10% aqueous solution with any convenient water source including brine water. More dilute aqueous solutions can also be applied where the effected equipment is less contaminated and less dithiazine volume is expected. No special safety equipment is required for use of this product.

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<table>
<thead>
<tr>
<th>Product Data</th>
<th>9.65 lb/gallon</th>
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</thead>
<tbody>
<tr>
<td>Bulk density</td>
<td>1157 kg/m³</td>
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<tr>
<td>Solubility</td>
<td>Complete in Water</td>
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<tr>
<td>Flash point</td>
<td>&gt; 200°F (93°C)</td>
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<tr>
<td>Approximate storage life</td>
<td>1 year</td>
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**Standard Package**

55 US gallons (208 litre) closed head poly drum, tote bin, or bulk.

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CASE HISTORY
Rail Car Chemical Decontamination

Results Achieved
- Over 20 times cleaning efficiency increased
- Removed all traces of LEL and H₂S left over after chemical cleaning

Chemicals Utilized
- LEL-V
- Solvent-ME
- Clean Road

Primary Separation Settler Diagram

CASE HISTORY
Degassing of a Coker Fractionator

Results Achieved
- Significantly reduced mechanical outage time
- Dissolved heavy sludge in the mixture

Chemicals Utilized
- LEL-V
- H₂S
- Pentane Absorber

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