IRON SULFIDE DISSOLVER

IRON SULFIDE CONTROL & REMEDIATION

IRON SULFIDE DISSOLVER is a 75% aqueous solution of THPS useful for the dissolution and prevention of both pyrophoric and non-pyrophoric iron sulfide mineral deposition without the associated acid gas emissions.

IRON SULFIDE DISSOLVER effectively chelates iron sulfide minerals to provide vessel or unit entry with reduced decontamination times.

IRON SULFIDE DISSOLVER is compatible with surfactants for additional penetration and removal of surface deposits.

FEATURES & BENEFITS

- Non-combustible
- Contains added corrosion inhibitor
- Product coloration changes with saturation
- Wastewater friendly
- Dramatically reduces turn-around time
- Low toxicity when applied
- Readily biodegradable
- Easily diluted to desired concentration in most types of water
- Low freeze point

DIRECTIONS FOR USE

Use procedure: Use IRON SULFIDE DISSOLVER as part of a multi-stage chemical circulation procedure or via direct injection into a liquid stream. Consult with your local West Penetone sales representative for procedures that are best suited for your application.

Concentration: Preliminary recommendations include applications at concentrations of 25-30% v/v aqueous dilution for remediation or 25-100 ppm, for continuous prevention of iron sulfide accumulation. System must contain sufficient concentration of ammonium ions or else be used in combination with Ammonium Chloride Solution.

Use temperature: Ambient up to 60°C (140°F). Most effective at higher temperatures.

Dwell time / Operation time: Dependent on job, site and method of application. Dwell time may vary from 6-10 hours depending on depth of scaling and degree of contamination. Retain monitoring, measuring pH, dissolved iron, etc., is recommended.
**PHYSICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear, colorless liquid</td>
</tr>
<tr>
<td>Odour</td>
<td>Acidic</td>
</tr>
<tr>
<td>Specific gravity @ 20°C</td>
<td>1.370-1.410</td>
</tr>
<tr>
<td>Viscosity</td>
<td>39 mPs @ 20°C (68°F) - dynamic</td>
</tr>
<tr>
<td>pH</td>
<td>3.0-5.0</td>
</tr>
<tr>
<td>Flash point (TCC)</td>
<td>96°C (205°F)</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Complete</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Approx. 108.5°C (227°F)</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Approx. -43°C (-45°F)</td>
</tr>
<tr>
<td>Foaming tendency</td>
<td>Nil</td>
</tr>
<tr>
<td>Rinsing</td>
<td>Excellent</td>
</tr>
<tr>
<td>Concentration monitoring techniques</td>
<td>Titration</td>
</tr>
</tbody>
</table>

**INCOMPATIBILITY**

- Strong oxidizing, reducing or alkaline materials

**WAREHOUSING PRECAUTIONS**

- Keep containers tightly closed away from direct sunlight in a dry, cool and well-ventilated place

**AVAILABLE SIZES**

- 205L

**IMPORTANT**

Before using **IRON SULFIDE DISSOLVER**, always be sure to read and follow precautions and directions for use appearing on the product’s container label, and on the safety data sheet (S.D.S).

**FIRST AID MEASURES**

**Ingestion**

Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person.

**Skin contact**

Take off immediately all contaminated clothing. Rinse skin with soap and water/shower. Wash contaminated clothing before reuse.

**Inhalation**

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

**Eye contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

**PERSONAL PROTECTION**

**WHMIS**

- Symbol: **Icon**
- Category: **Icon**
- Label: **Icon**
- Signal word: **Icon**
- Pictograms: **Icon**

**CONCENTRATION MONITORING TECHNIQUES**

- Titration