

## 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<sub>v</sub> 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.

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## PHYSICAL PROPERTIES

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

## 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



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