

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

FEATURES AND BENEFITS

- Non-combustible
- Contains added corrosion inhibitor
- Compatible with surfactants for additional penetration and removal of surface deposits
- 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 _v for continuous prevention of iron sulfide accumulation. System must contain sufficient concentration of ammonium ions or else be used in combination with <i>Ammonium Chloride Solution</i> .
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.

IRON SULFIDE DISSOLVER

IRON SULFIDE CONTROL & REMEDIATION

PHYSICAL PROPERTIES

Appearance	Clear liquid
Odour	Pungent
Specific Gravity @ 20°C	1.30-1.40
Viscosity	Moderate
pH	3.0-5.0
Flash Point (TCC)	96°C (204,8°F)
Boiling Point	Approx. 109°C (228,2°F)
Freezing Point	Approx. -30°C (-22°F)
Foaming Tendency	Nil
Concentration Monitoring Techniques	Titration
Rinsability	Excellent
Water Solubility	Complete

INCOMPATIBILITY

Alkali and strong oxidizing materials

WAREHOUSING PRECAUTIONS

Keep container closed when not in use
Protect from extreme temperatures

AVAILABLE SIZES

			
205L / 54,16Gal			

FIRST AID MEASURES

EYE CONTACT

Wash with plenty of water for 15 minutes. Consult physician if irritation develops or persists.

SKIN CONTACT

Wash with soap and water. Consult physician if irritation develops or persists.

INHALATION

Give fresh air or artificial respiration. Consult physician.

INGESTION

Do not induce vomiting. Drink 1 or 2 glasses of water and contact physician immediately.

HEALTH

3

FLAMMABILITY

1

REACTIVITY

0

LEGEND

0 = MINIMAL RISK
1 = SLIGHT RISK
2 = MODERATE RISK
3 = SERIOUS RISK
4 = SEVERE RISK

PERSONAL PROTECTION Security equipment



WHMIS



IMPORTANT: Before using IRON SULFIDE DISSOLVER, always be sure to read and follow precautions and directions for use appearing on the product container label and on the material safety data sheet (m.s.d.s.).



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