

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 *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.

IRON SULFIDE DISSOLVER

IRON SULFIDE CONTROL & REMEDIATION

PHYSICAL PROPERTIES

Appearance	Clear liquid
Odour	Acidic
Specific Gravity @ 20°C	1.37-1.41
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. -43°C (-45,4°F)
Foaming Tendency	Nil
Concentration Monitoring Techniques	Titration
Rinsability	Excellent
Water Solubility	Complete

INCOMPATIBILITY

Strong oxidizing,
reducing or alkaline materials.

WAREHOUSING PRECAUTIONS

Keep containers tightly closed in a dry,
cool and well-ventilated place.

AVAILABLE SIZES



205L /
54,16Gal

FIRST AID MEASURES

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.

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.

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.

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 safety data sheet (S.D.S).



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