

IRON SULFIDE REMEDIATION



POTASSIUM PERMANGANATE SOLUTION is a 4% aqueous solution of potassium permanganate useful for the remediation of pyrophoric and non-pyrophoric iron sulfide particulate deposition as well as system mal-odours. It requires no specialized equipment for safe, easy, and efficient application with reduced decontamination times for rapid vessel entry.

FEATURES AND BENEFITS

- Concentrate solution
- Contains added surfactant for rapid wetting of oil-wet deposits
- Compatible with other surfactants for additional penetration and removal of surface deposits
- Generates no gaseous by-products during application
- Product coloration changes during application indicating completion of reaction
- Wastewater friendly
- Dramatically reduces turnaround time
- Provides for fast, easy and safe application procedures
- Spent solution requires no specialized handling procedures and can be sent directly for disposal

DIRECTIONS FOR USE

Use procedure

Use **POTASSIUM PERMANGANATE SOLUTION** as part of a high pressure application or liquid-phase circulation after completion of a full chemical cleaning procedure. May also be used for continuous injection. Not recommended for vapor phase injections. Consult with your local West Penetone sales representative for procedures best suited for your application.

Concentration

Preliminary recommendations include applications at concentrations of 20-25% v/v neutral pH, aqueous dilution for complete particulate iron sulfide remediation.

Use temperature

Should be used as part of a cold to warm water wash or circulation.

Dwell time / Operation time

Dependent on job, site and method of application. Dwell time may vary from 8-12 hours depending on depth of scaling and degree of contamination. Retain monitoring is recommended.

POTASSIUM PERMANGANATE SOLUTION

IRON SULFIDE PARTICULATE REMEDIATION

PHYSICAL PROPERTIES

Appearance	Purple liquid
Odour	Odorless
Specific Gravity @ 20°C	0.95-1.00
Viscosity	Thin
pH	6.0-7.0
Flash Point (TCC)	None
Boiling Point	Approx. 100°C (212°F)
Freezing Point	Approx. 0°C (32°F)
Foaming Tendency	Nil
Concentration Monitoring Techniques	Visual
Rinsability	Excellent
Water Solubility	Complete

INCOMPATIBILITY

Strong reducing agents and bases, combustible materials.

WAREHOUSING PRECAUTIONS

Keep containers tightly closed away from direct sunlight 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. If eye irritation occurs, get medical advice/attention.

SKIN CONTACT

Wash with plenty of water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash before reuse.

INHALATION

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms occur, get medical advice/attention.

INGESTION

Rinse mouth. Do not induce vomiting. If symptoms occur, get medical advice/attention.

HEALTH

1

FLAMMABILITY

0

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 POTASSIUM PERMANGANATE SOLUTION, 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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