

### IRON SULFIDE REMEDIATION



**PENSCRUB AG-150** is a low-pH scale mitigation aid designed to control excessive evolution of hydrogen sulfide gas in pyrophoric and non-pyrophoric iron sulfide remediation procedures employed in post-operational cleaning applications. The inhibited formulation also reduces pitting, corrosion or cracking in a variety of vessel, unit or line application procedures.

### FEATURES AND BENEFITS

- High acid strength
- Contains no added formaldehyde
- Contains corrosion inhibitor
- Controls residual iron scale precipitation
- Hydrochloric acid alternative formula available in the product **PENSCRUB APG-150**
- Controls a higher amount of H<sub>2</sub>S than the product **PENSCRUB A-150**
- Provides rapid scale dissolution
- Dramatically reduces turn-around time
- Low-fuming
- Easily diluted to desired concentration
- Compatible with a variety of pH indicators to visually monitor changes in pH, depending on application dilution

### DIRECTIONS FOR USE

#### Use procedure

Use **PENSCRUB AG-150** as part of a circulation, immersion or cascade chemical cleaning application. Rinse procedure recommended. Consult with your local West Penetone sales representative for the procedures best suited for your application.

#### Dosage application

Preliminary recommendations include a minimum concentration of 10% v/v with water for all applications.

#### Use temperature

Ambient temperature to 40°C-50°C (104°F-122°F) is recommended. Reaction rate for abating H<sub>2</sub>S slows at lower temperatures.

#### Dwell time/Operation time

Dependent on job, site and method of application. Retain monitoring is recommended.

# PENSCRUB AG-150

## IRON SULFIDE SCALE CONTROL & LOW-PH H<sub>2</sub>S REMEDIATION

### PHYSICAL PROPERTIES

|  |                        |
|--|------------------------|
| <b>Appearance</b>                          | Clear to yellow liquid |
| <b>Odour</b>                               | Pungent                |
| <b>Specific Gravity @ 20°C</b>             | 1.120-1.130            |
| <b>Viscosity</b>                           | Low                    |
| <b>pH</b>                                  | <1                     |
| <b>Flash Point (TCC)</b>                   | None                   |
| <b>Boiling Point</b>                       | Not available          |
| <b>Freezing Point</b>                      | Approx. -40°C (-40°F)  |
| <b>Foaming Tendency</b>                    | Moderate               |
| <b>Concentration Monitoring Techniques</b> | pH, titration          |
| <b>Water Solubility</b>                    | Complete               |
| <b>Rinsability</b>                         | Excellent              |

### INCOMPATIBILITY

Chlorinated alkaline and alkaline materials  
May be corrosive to soft metals

### WAREHOUSING PRECAUTIONS

Keep container closed when not in use  
Keep from freezing

### AVAILABLE SIZES

|  |  |  |
|--|--|--|
|  |  |  |
| 20L /<br>5,28Gal.  | 205L /<br>54,16Gal   | 1000L /<br>264,17Gal.  |

### 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 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

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 PENSCRUB AG-150, 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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