

### IRON SULFIDE REMEDIATION



**PENSCRUB A-150** is a low-pH scale mitigation aid designed to abate the emission of hydrogen sulfide gas especially where iron sulfide scale is present. The inhibited formulation is effective in a variety of vessel, unit or line application procedures including circulation, immersion, and cascade flushing without causing pitting, corrosion or cracking.

### FEATURES AND BENEFITS

- High acid strength
- Controls residual iron scale precipitation
- Non-acidic formula available in the product **PENSCRUB A-200**
- High H<sub>2</sub>S capacity formula available in the product **PENSCRUB AG-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

May be used with an adequate foaming system or by dilution and direct injection when used as part of a circulation, immersion or cascade procedure. Consult with your local West Penetone sales representative for procedures best suited for your application.

#### Dosage application

Preliminary recommendations include a minimum of 25-30 L/m<sup>3</sup> (24-29oz. /ft<sup>3</sup>) where concentrations of 100 ppm<sub>w</sub> H<sub>2</sub>S are measured. For all other applications, dilute to a maximum of 14-16% v/v with water, depending on the amount of scale to be removed.

#### Use temperature

Cold to ambient temperature water is recommended.

#### Dwell time/Operation time

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

# PENSCRUB A-150

## SCALE REMOVAL & LOW PH HYDROGEN SULFIDE REMEDIATION

### PHYSICAL PROPERTIES

<b>Appearance</b>	Clear liquid
<b>Odour</b>	Acidic
<b>Specific Gravity @ 20°C</b>	1.035-1.040
<b>Viscosity</b>	Moderate
<b>pH</b>	<1
<b>Flash Point (TCC)</b>	None
<b>Boiling Point</b>	Approx. 100°C (212°F)
<b>Freezing Point</b>	Approx. -15°C (5°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 / 5,28Gal.	205L / 54,16Gal	1000L / 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 A-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).



#### CLIFTON

125 Kingsland Avenue  
Clifton, NJ 07014  
Tel.: 201-567-3000  
Toll free: 1-800-631-1652

#### MONTREAL

10,900 Secant Street  
Anjou, QC H1J 1S5  
Tel.: 514-355-4660  
Toll free: 1-800-361-8927

#### EDMONTON

11411-160 Street  
Edmonton, Alberta T5M 3T7  
Tel.: 780-454-3919  
Toll free: 1-866-454-3919

United States  
[www.penetone.com](http://www.penetone.com)

Canada  
[www.westpenetone.com](http://www.westpenetone.com)