

PRODUCTION CHEMISTRY



PENETONE 8500H SERIES is a full line of non-corrosive, fast-acting hydrogen sulfide scavengers designed to remove hydrogen sulfide from produced gas streams without creating excessive solids or precipitation. Each product in the **8500H SERIES** has low affinity for carbon dioxide allowing for a large sulfur load and can be utilized in contact tower sweetening units, by continuous injection via chemical atomizer into a gas stream, or for batch treatment of fluids in water tanks, trucks, and tailings ponds.

FEATURES AND BENEFITS

- Low freeze points
- Low kinematic viscosity for treating fluid at low temperatures
- **8500H** for a broad spectrum of sweetening applications
- **8502H** for high temperature sweetening applications
- **8507H** for sweetening applications requiring high efficiency sulfur loading and solids or precipitation control
- Designed for use in contact tower sweetening units
- Suitable for continuous atomization into gas streams
- Effective for a variety of batch treatment applications
- Can be used in vacuum or hauling truck venting systems

DIRECTIONS FOR USE

Chemical type

Penetone 8500H – versatile and economic formulation

Penetone 8502H – high flash-point/low vapor pressure formulation

Penetone 8507H – high-efficiency formulation

Treatment rates

Will vary depending on location and situation.

Typical gas treatment can be achieved with 5-10 mL per ppm H₂S per E³m³ of produced gas.

For scrubbing applications, saturation of **PENETONE 8500H** is reached at 0.51-0.53 lb of sulfur per L of product.

Aqueous batch treatment can be achieved with 1-3 mL per ppm H₂S per m³ of produced water. For immediate sweetening of water, higher concentrations may be required.

PENETONE 8500H SERIES

HYDROGEN SULFIDE SCAVENGERS

PHYSICAL PROPERTIES

Appearance	Yellow to orange liquid
Odour	Amine
Specific Gravity @ 20°C	0.970-1.080
Viscosity	Thin
pH	Not applicable
Flash Point (TCC)	<37.8°C or >60°C
Boiling Point	Not determined
Freezing Point	<-40°C
Foaming Tendency	Nil
Autoignition temperature	Not determined
Active content	30-60%
Water Solubility	Complete

INCOMPATIBILITY

Oxidizing materials

WAREHOUSING PRECAUTIONS

Store away from heat sources and flames

AVAILABLE SIZES

			
20L	205L	1000L	

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

Administer 1-2 glasses of water. **DO NOT** induce vomiting. Seek medical attention. Never administer fluids orally to an unconscious person.

HEALTH

2

FLAMMABILITY

4

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 PENETONE 8500H SERIES, 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).