

# JMN SPECIALTIES, INC.

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## PRODUCT BULLETIN

### SPEC HIB HS-9015

#### H<sub>2</sub>S Scavenger, Degasser and Pyrophoric Iron Eliminator for Oil and Water Based Waste Water

##### General Description

**SPEC HIB HS-9015** is effective for decontamination of tanks, holding vessels, filters pods, pipelines, or any process vessel contaminated with hydrogen sulfide (H<sub>2</sub>S), hydrocarbons (refined or crude oils), and pyrophoric iron residues. **SPEC HIB HS-9015** is typically used for cleaning operations to remove contaminants from both the equipment and the wastewater stream. **SPEC HIB HS-9015** will react rapidly with hydrogen sulfide to form stable, water soluble products that can be injected down disposal wells or disposed of through suitable wastewater treatment systems. Unlike many conventional scavengers, **SPEC HIB HS-9015** is unaffected by the presence of carbon dioxide and continues to remove H<sub>2</sub>S efficiently. **SPEC HIB HS-9015** is biodegradable and is compatible with most waste water treatment systems.

If a pre-rinse is used in the washing cycle, **SPEC HIB HS-9015** should preferably be used in the first rinse cycle. The reaction of **SPEC HIB HS-9015** with the contamination occurs in the water phase. Longer contact time will improve the efficiency of H<sub>2</sub>S scavenging. The efficiency of **SPEC HIB HS-9015** in either flow lines or tank soaking will depend on factors such as contact time, mass transfer, pressure, temperature, concentration of scavenger and water dilution. Each application is unique and will require fine tuning for optimum results. The spent solution is generally considered non-hazardous.

A maximum of 1 pound of H<sub>2</sub>S may be removed per gallon of **SPEC HIB HS-9015** scavenger. In field practice, lower values are observed because of poor mass transfer of H<sub>2</sub>S from the gas to the aqueous phase. Effective removal of low levels of H<sub>2</sub>S contamination in a soak / water flush of a tank or piping system would typically require 5% addition of **SPEC HIB-9015** based upon total volume of liquid. Optimization of treating rates must be determined in the system.

##### Physical Properties

Form @ 70F (22C)	Amber Liquid
Density @ 60F (16C)	8.47 ppg
pH 5% Solution	7.6 - 8.8
Flash Point	None to boil
Solubility	
Isopropanol	Soluble
Water	Soluble
Heavy Aromatic Solvents	Insoluble

##### Availability

**SPECHIB 9015** is available in UN approved 5 gallon pails, 55 gallon drums and bulk quantities.

##### Handling

Observe warning label on containers. Normal precautions for industrial chemicals apply.