

JMN SPECIALTIES, INC.

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PRODUCT BULLETIN

SPEC HIB HS-9125

H₂S Scavenger for Oil and Water Based Waste Water

General Description

SPEC HIB HS-9125 is a hydrogen sulfide (H₂S) scavenger concentrate typically used for cleaning operations to remove H₂S contamination from the wastewater stream. **SPEC HIB HS-9125** 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-9125** is unaffected by the presence of carbon dioxide and continues to remove H₂S efficiently.

If a pre-rinse is used in the washing cycle, **SPEC HIB HS-9125** should preferably be used in the first rinse cycle. The reaction of **SPEC HIB HS-9125** with H₂S occurs in the water phase. Longer contact time will improve the efficiency of scavenging. The efficiency of **SPEC HIB HS-9125** in either flowlines 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 H₂S may be removed per gallon of **SPEC HIB HS-9125** scavenger. In field practice, lower values are observed because of poor mass transfer of H₂S from the gas to the aqueous phase. Effective removal of low levels of H₂S contamination in a soak / water flush of a tank or piping system would typically require 0.5 - 1% addition of **SPEC HIB-9125**. Optimization of treating rates must be determined in the system.

Physical Properties

Form @ 70F (22C)	Dark Liquid
Density @ 60F (16C)	8.47 ppg
pH 5% Solution	11.6 - 11.8
Flash Point	> 212F
Solubility	
Isopropanol	Soluble
Water	Soluble
Heavy Aromatic Solvents	Insoluble

Availability

SPECHIB 9125 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.