

JMN SPECIALTIES, INC.

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PRODUCT BULLETIN

SPEC HIB 221

Corrosion Inhibitor / Pickling Fluid

General Description

SPEC HIB 218 is a heterocyclic amine blend that is soluble in water and insoluble in oil. **SPEC HIB 221** is a highly active inhibitor specially designed for use in pickling fluids, whether in fresh or brine waters. **SPEC HIB 221** is extremely soluble in high brines with little or no tendency to “fall out” of solution. **SPEC HIB 221** can be used for engine cooling test runs where the fluids are drained from the system in shipping. When applied to metal surfaces, even after draining of fluid, a protective film remains behind to provide protection from rust and corrosion in transit or storage.

Application

Treating Rate: For fill and drain protection of ferrous and yellow metals, use 5% **SPEC HIB 221** in fresh water.

Treating Methods: Pre-mix **SPEC HIB 221** with the water and circulate the mixture in system for a hour, drain and seal unit.

Pickling Equipment: For fluid to remain in system, use 1 - 2.5% **SPEC HIB 221**, mix with fresh water (1%) or brine (2.5%), and pump into the equipment to be protected.

Spraying tank walls: Mix 2 - 5% **SPEC HIB 221** with fresh water, saturate wall surfaces, close and seal tank.

Physical Properties

Color	Clear, Dark Liquid
Odor	Amine
Specific Gravity	1.031
Density	8.60 lbs./gal
Viscosity	37 SUS @ 60° F
Flash Point	None
Solubility	100% in Fresh Water & Saturated Brines

Availability

SPEC HIB 221 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.