JMN SPECIALTIES, INC.

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PRODUCT BULLETIN

AI-7131

Acid Inhibitor

General Description

AI-7131 is a versatile and effective chloride-free, cationic corrosion inhibitor for use in acid cleaning and pickling operations where acids like citric, hydroxy acetic, and formic are used. **AI-7131** is a non-foaming inhibitor which is a key characteristic for certain industrial cleaning processes where foam can be problematic. **AI-7131** protects steel, brass and copper against attack from most mineral and organic acids.

Suggested Uses

For cleaning operations where a non-foaming, chloride-free inhibitor is required for use in industrial immersion processes, particularly for pickling and derusting operations, for protection of steel, brass, and copper against the attack of various acids.

Industrial Cleaning

For every 264 gallons (1000 liters), use 2.43 to 12.57 pounds (1.1 to 5.7kg) of % **AI-7131** based upon the temperature of the operating batch and type of acid used. Will also provide protection for bisulfate solutions. Before using with hydrochloric acid, protection should be evaluated based on the metallurgy to be cleaned before use.

AI-7131 is fully effective up to the following temperatures:

AI-7131	Hydrochloric	140°F (60°C)
AI-7131	Phosphoric	176°F (80°C)
AI-7131	Sulfuric	176°F (80°C)
AI-7131	Sulfamic	176°F (80°C)
AI-7131	Other Acids	212°F (100°C)

Physical Properties

Color	Dark Brownish
Density at 20°C	1.2 g/cm^3
Odor	Pungent, Acidic
Flash Point	80° F (Neat)
pH 20% Solution	2.3 – 2.5

Availability

AI-7131 is available in UN approved 5-gallon pails, 25-liter pails, and 55-gallon drums.

Handling

Observe warning labels on containers. Normal precautions for industrial chemicals apply. This document does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this product to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

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