

JMN SPECIALTIES, INC.

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PRODUCT BULLETIN

A-A-19D

Safe Acid Scale and Rust Remover

General Description

A-A-19D is a free flowing, non-volatile crystalline powder specially formulated with a corrosion inhibitor system to prevent metal attack when in use. This product is non-fuming in dry or solution form. No corrosive gases form in storage or during application. **A-A-19D** is formulated with a special dye indicator. Fresh solution is RED when blended. As the solution begins to dissolve the scale and rust, the solution will turn YELLOW indicating the solution is spent.

A-A-19D is a very effective and completely safe alternative to the highly toxic and corrosive mineral acids commonly used for de-rusting, removal of mill scale and water scale from steel, steel alloys, iron, stainless steel, chrome, nickel plate, plastics, glass, glazed tiled and painted surfaces. When used as recommended, **A-A-19D** is also safer and very rapidly cleans soft metals such as copper, brass, aluminum, magnesium, zinc and their alloys.

A-A-19D can safely be heated at any temperature up to the boiling point where its activity equals or exceeds the dangerous mineral acids. After de-rusting with **A-A-19D** you only have to rinse the steel clean with water and dry to prevent the cleaned surface from flash rusting.

Application

Normal applications call for $\frac{1}{4}$ to $\frac{3}{4}$ lb. of **A-A-19D** per gallon of water in the system to be cleaned. For water well applications, use $\frac{1}{2}$ per 1 to 2 gallons water in the tubing and casing. Re-circulate for 10-24 hours and pump to waste. Flush the well until residues have dissipated and the well water is clean.

Physical Properties

Color as provided	White and Yellow Crystals
Color diluted in water	Red Liquid < 1.8 pH Yellow Liquid > 1.8 pH (used)
Odor	Bland
Density	1.20 - 1.30
Flash Point	None
Solubility	Soluble in Water

Availability

A-A-19D is available in 50 pound pails and 450 and 500 pound drums.

Handling

Observe warning label 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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