

# JMN SPECIALTIES, INC.

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## PRODUCT BULLETIN

# SAFE DESCALE POWDER

## Scale and Rust Remover

### General Description

**SAFE DESCALE POWDER** 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. **SAFE DESCALE POWDER** 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.

**SAFE DESCALE POWDER** 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, **SAFE DESCALE POWDER** is also safer and very rapidly cleans soft metals such as copper, brass, aluminum, magnesium, zinc and their alloys.

**SAFE DESCALE POWDER** 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 **SAFE DESCALE POWDER** 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 **SAFE DESCALE POWDER** 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. Recirculate 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<br>Yellow Liquid > 1.8 pH (used) |
| Odor                   | Bland  |
| Density                | 1.20 - 1.30  |
| Flash Point            | None   |
| Solubility             | Soluble in Water                                     |

### Availability

**SAFE DESCALE POWDER** is available in 50 pound pails and 450 and 500 pound drums.

### Handling

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

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