

## **Descon Descaler**

No. 895

### **DESCRIPTION:**

**Descon Descaler** is an aqueous hydrogen chloride solution containing wetting agents and corrosion inhibitors. It is designed to penetrate and remove encrusted lime scale, rust and corrosion from water-wetted surfaces in construction and industrial applications.

### **FEATURES:**

- Non-toxic, non-flammable, non-corrosive and non-hazardous when used as directed
- Removes encrusted lime scale, rust and corrosion from water-wetted surfaces
- Removes cement and concrete residue from trucks, concrete mixers, pumps, building forms and all kinds of construction equipment
- Cleans excess mortar from bricks, tile and concrete blocks
- Removes barnacles and mussels from propellers, skegs, rudders and boat hulls
- Removes lime scale, rust and corrosion from pipe, screens, pumps and exchangers in power plants
- Removes rust and stains from floors and process equipment

### **PERFORMANCE CHARACTERISTICS:**

- Reduces maintenance costs
- Improves thermal efficiency by improving heat transfer coefficient
- Reduces operating costs by eliminating pressure drop and frictional drag
- Does not harm most paints and metals including brass and copper
- Removes rust and stains from floors and process equipment

### **APPLICATION:**

#### **Circulation:**

**Descon Descaler** solution is most effective when circulated through the equipment to be cleaned. When possible, circulation should be up flow. The cleaning will normally take between two and four hours. The equipment should be vented at all times. Carbon dioxide (CO<sub>2</sub>) gas is given off as the calcium carbonate is dissolved and removed. Always flush with clean water after cleaning the system.

#### **Surface Application:**

**Descon Descaler** can be diluted with up to 4 parts water depending upon the application. Before cleaning the whole surface test a small surface with undiluted **Descon Descaler**. Brush, mop or spray **Descon Descaler** on the surface to be cleaned. Let stand to penetrate and break up deposits, then wipe or hose off promptly with clean water. Reduce concentration as needed for maximum cost effectiveness.

#### **Soaking:**

Use a plastic container and allow parts to soak until calcium carbonate or other deposits have dissolved or softened sufficiently to be cleaned by wiping or brushing. The container can be covered but must be vented.

Remove parts and rinse promptly with clean water. Any ferrous material cleaned should be protected from rusting by applying an appropriate coat of rust preventative.

**CAUTION:**

- **Descon Descaler** is not recommended for use in aluminum, certain aluminum alloys, zinc (hot dipped galvanized sheet), and all alloys of magnesium. It is recommended that samples of the materials in question be tested before a full application of **Descon Descaler** is applied.
- **Descon Descaler** concentrated solution may discolor some chromed and stainless steel surfaces. It is recommended that **Descon Descaler** solution be diluted 1:1 with water before using on chrome surfaces.
- The improper use of **Descon Descaler** may result in discoloration of some automotive paint finishes.
- **Descon Descaler** is aqueous hydrogen chloride and maybe harmful if swallowed.
- Avoid extreme heat as toxic gases may be generated.
- Any ferrous material cleaned should be protected from rusting by applying an appropriate coat of rust preventative.

**PHYSICAL PROPERTIES:**

- The materials in **Descon Descaler**, when spent, are not listed as hazardous material under OSHA and D.O.T. regulations 29 CFR 1910.1200 and 49 CFR Parts 171-180, nor do they have any of the hazardous characteristics named in 40 CFR-261.
- **Descon Descaler** meets the requirements of the U.S. Department of Transportation regulations given in 173.240 (a) for shipment without hazardous warnings.