

Alpha Descaler FG Extra Strength is a food-grade descaling solution for removing hard water deposits and mineral buildup from food processing equipment. It's a highly concentrated solution that needs to be diluted with water before use. Always add the acid to the water, not the other way around.

General Instructions:

1. **1. Prepare the solution:**

Dilute the Alpha Descaler FG Extra Strength according to the instructions on the product label or packaging, usually in a ratio of 10-30% solution in water.

2. **2. Apply to the affected area:**

Apply the diluted solution to the surfaces or components where scale and rust are present.

3. **3. Soak or circulate:**

For smaller components, you can immerse them in the solution. For larger systems, you may need to circulate the solution through the pipes or equipment.

4. **4. Rinse thoroughly:**

After the descaling process, rinse the system thoroughly with clean water to remove any remaining descaling solution.

5. **5. Neutralize (optional):**

In some cases, you may need to neutralize the solution with a 0.5% aqueous solution of Alpha Alkasol.

Specific Applications:

- **Coffee and espresso machines:**

Follow the specific instructions provided by the machine manufacturer for descaling. Many machines have a built-in descaling program.

- **Water systems:**

For large water systems, you may need to recirculate the descaling solution for several hours.

- **Food processing equipment:**

Use the diluted descaling solution to remove hard water deposits and mineral buildup from tanks, pipes, and other equipment.

Important Considerations:

- **Safety:**

Always wear appropriate personal protective equipment (PPE), such as gloves and eye protection, when handling and using descaling solutions.

- **Ventilation:**

Ensure adequate ventilation when using descaling solutions, especially in enclosed spaces.

- **Material compatibility:**

Ensure the descaling solution is compatible with the materials of the equipment being cleaned.

- **Dilution:**

Always dilute the Alpha Descaler FG Extra Strength according to the instructions provided on the product label.

- **Neutralization:**

If the descaling solution is acidic, neutralize it with a suitable neutralizing agent (like Alkasol) after use.