



Non-Etch, Alkaline Soak Cleaner for Aluminum

All Kleen

All Kleen is an off-white, non-dusting, free flowing powdered product developed primarily for the alkaline soak cleaning of aluminum prior to etching and anodizing or plating. The product dissolves readily with water and its solution rinses freely.

All Kleen does not dull the surface of bright aluminum. It does not contain chromates or silicates.

All Kleen has good water softening properties thus allowing the special blend of surfactants present in the product to provide for good detergency and emulsification when encountering hard water. These properties are essential for rapid cleaning and complete soil removal.

All Kleen can also be used for cleaning other metals that have light soil on them.

EQUIPMENT

Tanks should be constructed of mild steel or stainless steel. Racks, baskets and barrels must be compatible with other metal finishing solutions used thereafter. Do not use galvanized steel, bronze, copper or tin. Immersion heaters may be of mild steel. Adequate forced ventilation must be provided.

SOLUTION MAKE-UP

Dissolve the powdered **All Kleen** in warm water while stirring. When charging a production tank, pre-mixing in a partially filled tank is recommended.

All Kleen solution concentration is maintained with periodic additions of cleaner to replace that consumed by removing soils and dragout. When making replenishments to a hot cleaning solution they should be made cautiously to avoid spattering of the solution due to heat being generated when the chemical are dissolved.

The strength of the solution is determined chemically with either a burette titration or dropping bottle test. When the cleaning solution becomes excessively contaminated with soils, it should be dumped and a new cleaning solution made up.

Concentration: 6 to 8 oz/gal

Temperature: 160° to 180° F

Time: 3 to 5 minutes

The required cleaning time will depend on the type and amount of soil on the parts and on the concentration and temperature of **All Kleen** Solution.

CAUTION

THIS PRODUCT CONTAINS ALKALINE MATERIAL. MAY CAUSE BURNS. Do not get in eyes, on skin or clothing. Avoid breathing dusts or mists. Do not take internally. When handling, wear goggles or face shield. While making up solutions, or adding powder to solution, add slowly to surface of solution to avoid violent spattering. In case of contact, immediately flush skin or eyes with plenty of water for at least 15 minutes. For eyes, call a physician.

Do not mix **All Kleen** with acidic material or any other chemical substances.

Do not work with **All Kleen** without first reading and understanding the **MATERIAL SAFETY DATA SHEET** furnished by **Cal-Pac Chemical Co. Inc.**

PACKAGING

500 lb. (net) in plastic lined, non-returnable containers. Keep lid on when not in use. Store indoors in a dry area.

IMPORTANT NOTICE! For Industrial Use Only

The following is made in lieu of all warranties, expressed or implied, including the implied warranties of merchantability and fitness for purpose, sellers and manufacturer's only obligation shall be to replace such quantity of the product as proved to be defective. Before using, user shall determine the suitability of the product for its intended use and user assumes all risk and liability whatsoever in connection therewith. **Neither seller nor manufacture shall be liable either in tort or in contract for any loss or damage, direct, incidental or consequential, arising out of the use or the inability to use the product.**