



ALKLEEN™ 101

- ***Superior soil holding.***
- ***Non-caustic formula.***
- ***Longer solution life.***
- ***Compatible with downline processes.***
- ***Heavy duty cleaning action.***
- ***Excellent penetration especially in deep recesses.***
- ***Biodegradable, easy to treat.***

SOAK CLEANER FOR ALUMINUM

ALKLEEN 101 is a powdered mildly alkaline non-caustic cleaner designed to remove a wide variety of oils, soils, inks, drawing and buffing compounds from aluminum, aluminum alloys and brass.

ALKLEEN 101 has tremendous capacity for penetrating surface soils, emulsifying those soils and dispersing them in solution. It contains superior reserve power to keep emulsifying soils for extended periods of time, lengthening the time between bath changes.

ALKLEEN 101's non-caustic, non-silicated, phosphated, chleated, formula will remove stubborn soils without causing downline incompatibility problems with subsequent etch, deoxidize, chemical polish or plating baths.

ALKLEEN 101 offers a highly concentrated product that is easy to make up and maintain. The free flowing, dustless powder dissolves easily, thus minimizing production down time. It is effective over a wide range of concentrations and temperatures and may be used with air agitation.

ALKLEEN 101 is heavy duty enough to tackle the toughest soils, yet safe on most surfaces. Its environmentally friendly, biodegradable formula is ideal for use in most cleaning applications.

OPERATING DATA

	<u>Range</u>	<u>Typical</u>
ALKLEEN 101	4-10 opg. (30-75 g/l)	6 opg. (60 g/l)
Temperature	120-145° F (40-63° C)	120° F. (40° C)
Time	30 sec.-5 min.	3 min.*

* Depends on soil type, soil condition and configuration of part.

SOLUTION CONTROL

Analytical:

- 1) 10 ml sample.
- 2) Add 50 ml of D.I. water.
- 3) Add 3-5 drops phenolphthalein indicator.
- 4) Titrate with 1.0N Sulfuric Acid until color change.

Calculation: Mls of 1.0N Sulfuric Acid x 2.80 = opg (x 21 = g/l) **ALKLEEN 101**.

EQUIPMENT

A steel tank, stainless steel or polypropylene tank is recommended. Stainless steel, titanium or Teflon heaters, or steam plate coils are satisfactory. A tank design utilizing a dam overflow weir, filter and pump is recommended and will increase bath life and reduce operating costs. Tanks and coils should be electrically isolated to eliminate stray currents. Solutions operate at elevated temperatures and generate steam vapors. PVC, polypro or fiberglass ventilation is satisfactory.

STORAGE/HANDLING

ALKLEEN 101 is stable and has excellent shelf life. Store in a dry area in closed containers. It is not combustible. The maintenance and disposal of **ALKLEEN 101** solutions requires the handling of slightly alkaline industrial chemicals. Wear proper protective clothing and face shield. Avoid contact with skin and eyes. **Refer to the Material Safety Data Sheet for more complete information before using this product.**

WARRANTY

The information presented herein, while not guaranteed, is to the best of our knowledge true and accurate. No warranty or guarantee expressed or implied is made regarding the performance of any products, since the manner of use is beyond our control. No suggestion for product use nor anything contained herein, shall be construed as a recommendation for its use in infringement of any existing patent, and we assume no responsibility or liability for operations which do infringe any such patents. The above includes confidential and proprietary information of **A BRITE** and is furnished to you for your use solely on products or processes supplied to you by us.