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## Product Data Sheet

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**PRODUCT #:** N8675

# ***SUMP PRO***

Acid Non-Chelating Equipment Cleaner

**DESCRIPTION:** A non-chelating, acidic equipment cleaner designed for use in developers and resist strippers. ***SUMP PRO*** is exceptionally effective on resist and antifoam residues, hard water scale, and carbonate residues. It contains a penetrating ingredient to enhance its ability to remove caked-on residues. Its organic acid formula is effective without generating noxious fumes, and is non-chelating for easier waste treatment.

**BENEFITS:**

- **Non-chelating**
- **Removes hard water scale, photoresist, solder mask and carbonate residues**
- **Easy to use liquid formula**
- **No hazardous fumes**

**SPECIFICATIONS:**

<b>Density:</b>	1.09 gm/ml, 9.0 lbs./gal.
<b>Flash Point (TCC):</b>	None
<b>Shelf life:</b>	One year
<b>pH @ 20%:</b>	1.5

**INSTRUCTIONS:**

<b>Concentration:</b>	15 - 20% by volume
<b>Temperature:</b>	130°F

Drain spent solution from machine or tank and rinse with water. Fill sump or tank half full with water. Add 15 - 20% by volume of ***SUMP PRO***, fill to maximum level with water, and heat to 130°F. Circulate the cleaning solution through the machine for one hour, or until residues are removed. Drain the cleaning solution, fill machine or tank with water, and circulate for 10 minutes. Check pH of rinse solution, to determine if further neutralization is necessary. Drain completely, and make up new working solution.

For heavy scale build-up, more than one treatment may be necessary. Working solutions of ***SUMP PRO*** may be re-used if the pH is less than 3.

**CAUTIONS:** ***SUMP PRO*** is acidic; safety glasses or goggles and gloves should be worn when handling this product. Avoid contact with skin and eyes. Refer to Material Safety Data Sheet for further information.

**DISPOSAL:** Neutralize and dispose of in accordance with all local, state and federal regulations.

This product should be used only for its intended purpose. The information stated above is based on our laboratory tests and experience, and is accurate to the best of our knowledge. Since actual use is beyond our control, the recommendations or suggestions are made without warranty, expressed or implied.