



Cleaner P-871

Cleaner P-871 is a water soluble, non-silicated, non-etch, mildly alkaline spray cleaner for aluminum alloys, and alclad stock.

Cleaner P-871 has been formulated to remove stenciling inks, fabricating oils, and shop dirt's without etching the aluminum.

Advantages

1. Will perform in hard water areas as well as it does in soft water areas.
2. Safe to handle - contains mild alkaline material.
3. Should be used in areas where the rinse between the spray cleaner and alkaline etch is quite poor or non-existent. A silicate bearing cleaner would present a problem in such a situation.
4. Non-silicated, **Cleaner P-871** will not interfere with subsequent conversion coatings or bright dips.
5. Non-dusting.

Operating Conditions

Concentrations	2 to 10 oz/gal (15 to 75 gms/l)
Temperature	120 - 190f (48 - 88c)
Time	1 to 3 minutes
Equipment	mild steel tanks and heating coils

Controls

Titration procedure

Factor (oz/gal) 1.1

Factor (gms/l) 8.1

1. Pipette 10-ml sample of **Cleaner P-871** into a 250 ml Erlenmeyer flask.
2. Add 50 mls of water and 4 to 5 methyl orange indicator to Erlenmeyer flask.
3. Titrate with 0.5 n hcl until end point is reached.
4. Record mls 0.5 n hcl used.



Waste Disposal

Neutralize solutions of **Cleaner P-871** to a pH between 6 to 8 with a mineral acid. Discharge the neutralized solution to a sewer or settling lagoon. In order to be completely informed on the latest regulations for your area, please contact the local authorities.

Caution

Cleaner P-871 is an alkaline product and should be handled accordingly. Avoid skin, eye and oral contact. Wear protective clothing, gloves and goggles when handling the product. Flush exposed areas immediately with clean, cold water. Contact a doctor immediately in case of injury.

WARRANTY: THE QUALITY OF THIS PRODUCT IS GUARANTEED ON SHIPMENT FROM OUR PLANT. IF THE USE RECOMMENDATIONS ARE FOLLOWED, DESIRED RESULTS WILL BE OBTAINED. SINCE THE USE OF OUR PRODUCTS IS BEYOND OUR CONTROL, NO GUARANTEE EXPRESSED OR IMPLIED IS MADE AS TO THE EFFECTS OF SUCH USE, OR THE RESULTS TO BE OBTAINED.

Our People. Your Problem Solvers.

For more information on this process,
please call us at 203.756.5521 or email: techservice@hubbardhall.com

Hubbard-Hall holds certifications for **ISO 9001:2015**, Responsible Distribution, as accredited by the **ACD** (Alliance for Chemical Distributors) and as a **Women-Owned Small Business**, as well as maintaining an association with **Omni-Chem**¹³⁶.