

DuraPrep Cleaner

Description:

DuraPrep is a special powdered compound that is used for hand cleaning of parts just prior to electroplating or Micro Tuff impregnation. DuraPrep is a unique blend of mild abrasives, detergents, activators, and surfactants that physically and chemically remove particles and debris. This assures a clean surface, so that maximum adhesion is obtained. Its use helps to prevent pitting and nodulization caused by grinding-polishing debris that tends to cling to the metal's surface.

DuraPrep is also very helpful in removing fingerprints and stop-off residue just prior to plating and, in many cases, can replace liquid honing, vapor blasting, or glass beading operations. The use of DuraPrep is highly recommended, wherever possible, so that the optimum plating quality is obtained.

DuraPrep is also used as a cleaning agent for dies, tooling sets and similar components during use and prior to the re-application of Micro Tuff Polymer.

Application:

DuraPrep is applied by hand, as slurry with water on an abrasive pad or rag. A swirling motion, both with and against the grain, should be used. Continue until the surface is clean of all water breaks.

The very fine abrasives in DuraPrep will not scratch polished surfaces of steel, stainless steel, and similar alloys. Use a lighter pressure for brass, copper, and other soft metals.

A quality deposit requires that the surface be thoroughly cleaned prior to reverse etching. During the manufacturing and machining processes, the parts pick up “fines” or microscopic metal slivers that adhere to the surface. Wiping the article with a clean white cloth will show the presence of such particles. During the reverse etch operation, these “fines” stand up from the surface and, once the part is plated, become a cause of roughness and nodules. In many cases, subsequent grinding, honing or polishing of the surface will break off these chrome-plated “fines” and pitting of the surface will result.

The use of DuraPrep offers an easy method of removing such particles, as well as thoroughly cleaning the part and preparing the surface for a good quality deposit. It is particularly helpful for heavy build-up type work.

Rinsing:

DuraPrep is rinsed off the part with water. A separate tank may be used. The DuraPrep, being heavier than water, will sink to the bottom; it can be recovered and reused several times. Also, DuraPrep can be rinsed off in Polystrip-26, if a separate tank is not available. Its presence in the solution will not cause any difficulties. If necessary, DuraPrep can be allowed to dry on a surface without any harm as this film will provide a degree of rust protection. Subsequent rinsing will easily remove the film.

Caution:

This is industrial chemicals and must be handled carefully and in accordance with the directives provided in the individual SDS forms.

Read and understand the SDS on this chemical before handling or using.

Although there is no particular danger involved in handling DuraPrep, it is an alkaline industrial product and should be treated as such. Avoid breathing dust. Do not use without gloves because of the abrasive nature of the product. Flush with water in case of contact with skin. For eyes, flush with water for 15 minutes (do not rub!) and obtain medical attention.