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Columbia Chemical is excited to partner with Products Finishing on the Switch from Decorative Hexavalent to Trivalent Chromium. With a hexavalent phase-out being proposed by the EPA and regulatory focus intensifying on Capitol Hill, plating applicators will have to make the switch from hexavalent to trivalent chromium. Being prepared will be the key to success. This webinar will examine the challenges and solutions for this transition.



Recognized as a world leader in Zinc Plating technology, providing options for acid zinc platers dealing with the Potassium Chloride shortage is a priority topic right now.

What's an acid zinc plater to do with no KCl?

Q. I am an acid zinc plater and I was just notified that we will no longer be able to order Potassium Chloride for our process for at least the next several months and possibly through the end of the year. We only have enough supply for the next four weeks and I can't find any alternate sources. What is going on and what do I do?

A. Acid Zinc plating shops throughout the country are scrambling to react to the recent news of a major disruption in the North American supply chain for Potassium Chloride due to the closing of two mines. Due to brine inflow conditions at the Mosaic Esterhazy K1 and K2 mines in Canada, [mining has been shut down at these two critical KCl mine sites](#) and the alternate mine site will not be able to supplement KCl production until 2022. There are very few other commercial sources of KCl available. Even though raw material shortages are becoming the norm today, this particular disruption in the supply chain leaves a bigger gap that threatens many industries and has no clear resolution in sight. An option for Acid Zinc platers in this situation is to consider the process they are using to see if there may be operational alternatives regarding the conductivity salts. As longtime world leaders in Zinc plating, Columbia Chemical's COLSID AP and APD are bright zinc plating processes that were developed with a proprietary system that can transition to operate on alternate conductivity salts. Several high-volume plating shops have [click here to read more](#)

Lab Capabilities: Solution Analysis is Critical

Quality standards have become extremely important in recent years. As a commitment to our customers, we've invested extensively in our analytical lab in order to



With a core purpose rooted in Simplifying Surface Finishing® and a R&D team led by trivalent plating expert Mark Schario and dedicated to products that solve plating problems, it was only a matter of time before we launched its next breakthrough process.

Case: Introducing TriCOL® Reclaim

Innovation has arrived in Decorative Trivalent Plating with the introduction of Columbia Chemical's TriCOL® Reclaim. The cost difference between hexavalent and trivalent chrome plating has always been a stumbling block for plating shops wanting to make the switch. And for those shops already running trivalent, the cost is often 3-4x higher than standard hex chrome. Reclaim of trivalent chromium solution is extremely cost beneficial, however the buildup of the counterions within traditional trivalent systems has always limited reclamation. UNTIL NOW... TriCOL® Reclaim features a unique formulation that prevents the buildup of counterions, gravity does not go up over time so the process is one of the biggest benefits of TriCOL® Reclaim - the cost of reclamation is comparable to hex chrome. In addition,

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