

Chrome Reducer DS

Chrome Reducer DS is a dry, white, powdery addition agent for use in reducing and complexing hexavalent chromium in alkaline cleaner solutions and cyanide copper plating solutions.

Features & Benefits

Instantaneous reduction of hex chrome/oxidizers	Eliminates stains in cleaners and cyanide copper plating sol'ns
Eliminates harmful effects of chrome drag-in	Extends the life of the cleaner
Ease of control	Liquid for easy handling and quick hook up

Operating Conditions

Alkaline cleaner solutions

Concentrations	Approximately ¼ oz/Gal daily additions to cleaner solution. In cases where chrome contamination is high, add 5% (wt.) Chrome reducer ds of the original weight of cleaner – for example: to 100 lbs. of cleaner add 5 lbs. chrome reducer ds. This latter procedure should be followed on initial makeup.
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Control

The addition of Chrome Reducer DS to an alkaline cleaner will turn the solution color to a light brown color. This may not occur immediately - a hot solution will change quicker than a cool solution (120°F).

An indication of chrome reduction is when the yellow-green color of the cleaner solution changes to a brown color. In some cases, because of the cleaner solution, this color change cannot be detected. Therefore, it is suggested that daily additions of 1/4 oz/Gal Chrome



Cleaning
the Hard to Clean



Finishing
the Hard to Finish



Treating
the Hard to Treat

Reducer DS be made at the end of each shift. If desired that addition may be made during the shift - Chrome Reducer DS will not interfere with a cleaner's operation.

Copper cyanide strike and plating solutions

Concentrations: 4 oz/Gal per 100 gallons of solution.

Dissolve the Chrome Reducer DS in warm water (90°F to 100°F) before adding to the plating solution.

Control for additions to cyanide copper plating baths

Add Chrome Reducer DS in increments of 0.04 oz/gal (0.3 g/L) to the plating bath. To determine the correct amount, it is suggested to use a hull cell test.

Waste Disposal

Chrome Reducer DS is a biodegradable product and does not require any waste treatment procedure. It may be added directly to a sewer or settling lagoon.

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

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