

# 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



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.

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## Our People. Your Problem Solvers.

For more information on this process,  
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