

CHROME NEUTRALIZING SALTS

HEXAVALENT CHROME REDUCTION

INTRODUCTION

Chrome Neutralizing Salts have been developed for in-line neutralization of hexavalent chrome in rinse waters.

BENEFITS

- Reduces chrome to trivalent state
- Reduces chrome entrapped in racks and barrels preventing contamination
- Can be used in-line

SOLUTION MAKE-UP

Chrome Neutralizing Salts 3 g/L

EQUIPMENT

Tanks	Mild Steel
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INSTALLATION

It is essential that the tanks to be used for Chrome Neutralizing Salts solution are thoroughly cleaned and leached before any product is introduced.

If in any doubt as to the cleaning procedure please contact *Automated Chemical Solutions* technical support.

1. Fill tank with water.
2. Add chrome Neutralizing Salts.
3. Stir to dissolve.

Manufactured for North America exclusively by **FOCUSTECH™**



2810 S. Roosevelt St.
Tempe, AZ 85282
Telephone (602) 268-3500
www.gmfchemicals.us

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PROCES SEQUENCE

Typical process sequence is:

1. Chrome Plate
2. Drag-out rinse
3. Chrome Neutralize Rinse
4. Cold water rinse
5. Hot water rinse
6. Dry

MAINTENANCE AND CONTROL

The *effectiveness* of the Chrome Neutralizing solution should be checked using the analysis method below.

To maintain the solution add 3 g/L Chrome Neutralising Salts at the beginning and midway through each shift.

If carryover of chrome is excessive more frequent additions may be required.

Discard the solution as required for effluent treatment.

ANALYSIS METHOD

1. Add 50 ml of Chrome Neutralizing solution to a 250 ml beaker.
2. Then add 50 mls of boiling water.

RESULT:

The reduced chrome will precipitate. If the remaining liquid is blue-green the solution is satisfactory. If the remaining liquid is yellow-green add 3 g/L Chrome Neutralizing Salts to the bath.

STORAGE

Store in original containers above 40°F

SAFETY

CAUTION! Chrome Neutralizing Salts concentrates and working solutions contain strong alkaline ingredients. Avoid contact with eyes, skin and clothing. Wear chemical handler's gloves, goggles and protective clothing when handling. Read and understand Material Safety Data Sheet before using this product.

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PRODUCT GROUPS

The following products are referred to in this data sheet

PRODUCT NAME	PRODUCT NUMBER
Chrome Neutralizing Salts	416001

NOTICE

The information and recommendations of PMD (UK), Ltd. and Automated Chemical Solutions, Inc., and its representatives, regarding this product are, to the best of our knowledge, true and accurate. We make no guarantee of results because the conditions of actual use are beyond our control. We assume no liability for damages or penalties resulting from the use of this product or following our recommendations. Our recommendations and suggestions for use of this product are not intended to grant license to operate under or infringe any patent.



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3320 E. Roeser Road
Phoenix, Arizona 85040
Telephone (602) 268-3500
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