



PRODUCT INFORMATION

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DATE: JANUARY 29, 2013

EMERGENCY - MARTRON 704-289-1934
CHEMTREC 800-424-9300

REF # - MFC-002014

MARTRON NICKEL CHLORIDE LIQUID

SECTION 1. INTRODUCTION

Martron Nickel Chloride Liquid was specifically developed to meet the needs of the nickel-plating industry where a very low impurity level is required. It is produced from a high purity, virgin nickel powder that assures a consistent, high quality product.

SECTION 2. SPECIFICATIONS

	<u>Specification</u>	<u>Typical</u>
NiCl ₂ • 6 H ₂ O -	6 lbs/gal (720 g/l) Minimum	6.05 lbs/gal (726 g/l)
Ni (as Ni + Co) -	13.30% (178 g/l) Minimum	13.4% by wt. (179.3 g/l)
Iron (Fe) -	10 ppm Maximum	2.0 ppm
Copper (Cu) -	1.0 ppm Maximum	0.1 ppm
Zinc (Zn) -	1.0 ppm Maximum	0.1 ppm
Chromium (Cr) -	1.0 ppm Maximum	0.6 ppm
Lead (Pb) -	10 ppm Maximum	< 5 ppm
pH -	2.0 – 3.0	2.5
Specific Gravity -	1.33 – 1.35	1.34

SECTION 3. PROPERTIES

Formula	NiCl ₂ • 6H ₂ O (Molecular Weight - 237.70)
Appearance	Clear green liquid
pH	2.0 – 2.5
Density	11.2 lbs/gal (1.34 g/ml)

SECTION 4. PACKAGING

Martron Nickel Chloride Liquid is packaged in 5-gallon cubitainers and 55-gallon drums.

SECTION 5. WASTE DISPOSAL

This material must be disposed of in accordance with all applicable federal, state, and local regulations and permits. Consult the SDS for additional regulatory information. The information contained herein is general in nature and may not apply to each application.

SECTION 6. GENERAL SAFETY PRECAUTIONS

When working with this product(s), ensure that all health, environmental, and safety regulations and standards are met. Avoid direct contact with this material. Do not inhale associated mist, vapors, and/or dust. Maintain and limit exposure as recommended by OSHA, ACGIH, and other state and local regulations. Wash contaminated clothing before reuse. Always comply with the Hazard Communication Standard, 29 CFR 1910.1200. Emergency showers and eyewashes must be readily available.

It is recommended that the plating chemistry product(s) referred to in this Technical Information Sheet be used: (a) in accordance with the information provided in product specific SDS; and (b) in compliance with all applicable requirements and guidelines established by OSHA, NIOSH, ACGIH, NFPA, and others.

NOTE: A Safety Data Sheet (SDS) for this product(s) is available upon request.

REVIEW SDS BEFORE USING THIS PLATING CHEMISTRY AND FOR SPECIFIC INFORMATION. A precautionary approach should be used when there is potential for chemical exposure -- this includes minimizing exposure potential, rapid decontamination, and medical follow-up.

Revision: 01/05/05T
MS 01/29/2013