



# MARTRON INC. SAFETY DATA SHEET MARTRON NICKEL PURIFIER

## 1. IDENTIFICATION

**Product Name:** MARTRON NICKEL PURIFIER  
**Product Number:** MFC-002004  
**Product Type and Use:** Nickel Plating Bath Additive

**Supplier Name and Address:** Martron, Inc.  
1394-A Walkup Ave.  
Monroe, NC 28110  
704-289-1934

**Website:** [www.martroninc.com](http://www.martroninc.com)

**Emergency Number:** CHEMTREC 800-424-9300

## 2. HAZARD IDENTIFICATION

**Classification:**  
Skin corrosion/irritation, Category 3  
Serious eye damage/irritation, Category 2B

**Symbol:**  
No Symbol

**Signal Word:**  
Warning

**Hazard Statement:**  
Causes mild skin irritation.  
Causes eye irritation

**Precautionary Statements:**  
Keep container tightly closed.  
Wear protective gloves and eye/face protection.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	CAS #	Max. Conc. (wt%)
Sodium Sulfate	7757-82-6	0 – 2.5%

## 4. FIRST AID MEASURES

**Contact with Eyes:**  
Flush with clean water for 15 minutes. Contact a Physician. Washing eyes within 1 minute after contact is essential to achieve maximum effectiveness.

**Contact with Skin:**  
Immediately wash skin with soap and plenty of water for 15 minutes. Remove contaminated clothing and do not re-use until laundered.

**Inhalation:**  
Remove victim to fresh air. Seek medical attention. If breathing has stopped, start artificial respirations. If breathing difficult, give oxygen.

**Swallowing:**  
Do not induce vomiting. Give large amounts of milk and/or water. Seek medical attention if symptoms persist.

## 5. FIREFIGHTING MEASURES

### Suitable Extinguishing Media:

Water Fog, Dry Chemical, Foam, and CO<sub>2</sub>

### Unsuitable Extinguishing Media:

High flow water jet

### Specific Hazards in Case of Fire:

None Known

### Protective Equipment/Precautions:

Positive pressure, self-contained respiratory protection and protective clothing should be worn by firefighters in areas where product is stored.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions:

Depending on the extent of release, consider the need for firefighters/emergency responders with adequate personal protective equipment for cleaning up. Do not eat, drink or smoke while cleaning up. See Section 8 for personal protective equipment. See Section 7 for handling instructions.

### Environmental Precautions:

Prevent spills from entering storm sewers or drains and contact with soil.

### Methods/Materials for Containment and Cleanup:

Contain spill. Cover with an absorbent material (treated sawdust, diatomaceous earth, sand). Shovel up and dispose of at an appropriate waste facility in accordance with current applicable laws and regulations.

## 7. HANDLING and STORAGE

### Safe Handling Procedures:

Avoid contact with eyes. Avoid prolonged or repeated skin contact. Avoid breathing mists or vapors. This product is typically used in conjunction with dissolved nickel salts in slightly acidic solutions, operated at elevated temperatures. When working with, or near, operating solutions, exercise normal cautions to be used when handling this type of solution.

### Safe Storage Procedures w/Incompatibles:

Keep container tightly closed when not in use. Protect from freezing. If material freezes, move to warm area and allow material to thaw. Mix well prior to use to insure uniform composition of material.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Limits:

Component Name	CAS #	OSHA (PEL)	ACGIH (TLV)	STEL	Ceiling
		mg/m <sup>3</sup>	mg/m <sup>3</sup>	mg/m <sup>3</sup>	mg/m <sup>3</sup>
Sodium Sulfate	7757-82-6	Not listed	Not listed	Not listed	Not listed

### Ventilation:

Exhaust ventilation to maintain air contamination below TLV. Mechanical ventilation recommended.

### Respiratory Protection:

Use appropriate NIOSH approved respiratory equipment for dust and mists.

### Eye Protection:

Face shield, chemical splash goggles.

**Skin Protection:**

Rubber or other suitable material.

**9. PHYSICAL and CHEMICAL PROPERTIES****Information on Basic Physical and Chemical Properties:**

<b>Physical State:</b>	Liquid
<b>Color:</b>	Clear
<b>Odor:</b>	Odorless
<b>Relative Density:</b>	1.009 – 1.031 g/ml @ 68°F (20°C)
<b>pH:</b>	6.2 – 9.0
<b>Melting Point:</b>	Not available
<b>Freezing Point:</b>	32°F (0°C)
<b>Initial Boiling Point:</b>	Not available
<b>Flash Point:</b>	Not applicable
<b>Evaporation Rate:</b>	Slower than ether
<b>Flammability (solid, gas):</b>	Not applicable
<b>Explosive Limits:</b>	Not applicable.
<b>Vapor Pressure:</b>	Not available
<b>Vapor Density:</b>	Heavier than air
<b>Solubility:</b>	Complete
<b>Partition Coefficient:</b>	Not available
<b>Auto-Ignition Temp:</b>	Not available
<b>Decomposition Temp:</b>	Not available

**10. STABILITY and REACTIVITY****Chemical Stability:**

Stable

**Possibility of Hazardous Reaction:**

Will not occur

**Conditions to Avoid:**

Freezing Temperatures

**Materials to Avoid:**

None Known

**Hazardous Decomposition:**

Carbon Monoxide, Sulfur Dioxide

**11. TOXICOLOGICAL INFORMATION****Signs/Symptoms of Overexposure:**

Eye and nasal irritation. Prolonged exposure may cause irritation to the respiratory and digestive tracts.

**Acute Effects:****Eye Contact:**

Mild irritant. Prolonged or repeated contact may cause redness and irritation.

**Skin Contact:**

Mild irritant. Prolonged or repeated exposure may cause redness and irritation.

**Inhalation:**

Inhalation of liquids or airborne concentrations of mists or vapors may be irritating to the mucous membranes of the respiratory tract.

**Ingestion:**

Industrial chemicals should never be taken internally. Irritating to the mucous membranes of the digestive tract.

**Chronic Effects:**

None known

**Medical Conditions Aggravated by Exposure:**

None known

**Acute Toxicity Values:**

Oral LD <sub>50</sub> (Rat) =	>100,000 mg/kg	Based on ATE mix Calculation
Dermal LD <sub>50</sub> (Rabbit)	Not Known	
Inhalation LC <sub>50</sub> (Rat)	Not Known	

**12. ECOLOGICAL INFORMATION**

**Persistence and Degradability:**

The total of the organic components contained in the product is not classified as readily biodegradable' (OECD-301 A-F). However, this product is expected to be inherently biodegradable.

**Bio-Accumulative Potential:**

There is no evidence to suggest bioaccumulation will occur.

**Mobility:**

Accidental spillage may lead to penetration on the soil and groundwater. However, there is no evidence that this would cause adverse ecological effects.

**Ecological Toxicity Values:**

LC<sub>50</sub> (Fish) Not available

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal:**

Dispose of in accordance with Federal, State and Local regulations.

**Recommended European Waste Code (EWC):**

06.13.99

**14. TRANSPORT INFORMATION**

**U.S. DOT (Land)**

**Proper Shipping Name:**

**Hazard Class:**

**UN/NA Number:**

**Packing Group:**

**Labels Required:**

**Marine Pollutant:**

**Department of Transportation**

Not Regulated

Not Applicable

Not Applicable

Not Applicable

Not Applicable

Not Applicable

**I.A.T.A. / I.C.A.O. (Air)**

**Proper Shipping Name:**

**Hazard Class:**

**UN/NA Number:**

**Packing Group:**

**Labels Required:**

**Marine Pollutant:**

**International Air Transportation Authority / International Civil Aviation Organization**

Not Regulated

Not Applicable

Not Applicable

Not Applicable

Not Applicable

Not Applicable

**I.M.D.G. (Sea)**

**Proper Shipping Name:**

**Hazard Class:**

**UN/NA Number:**

**Packing Group:**

**Labels Required:**

**Marine Pollutant:**

**International Maritime Organization**

Not Regulated

Not Applicable

Not Applicable

Not Applicable

Not Applicable

Not Applicable

**15. REGULATORY INFORMATION**

**U.S. Federal Regulations:**

**CERCLA Act of 1980:**

This material does not have a reportable quantity. Follow instructions for clean-up and disposal in Sections 6 & 13.

**TCSA Inventory:**

All components of this product are included on the TSCA inventory.

**Clean Water Act (CWA):**

This material is not listed as a hazardous substance under the Clean Water Act.

**Clean Air Act (CAA):**

This material is not listed as a hazardous substance under the Clean Air Act.

**Superfund Amendments and Reauthorization Act (SARA) Title III Information:**

**SARA Section 311/312 (40CFR 370) Hazard Categories:**

**Immediate Hazard:** Yes  
**Delayed Hazard:** No  
**Fire Hazard:** No  
**Pressure Hazard:** No  
**Reactivity Hazard:** No

**SARA Section 313**

**(40CFR 372) Reportable Toxic Chemical(s):**

Component	CAS Number	Maximum %	Carcinogen Status
Not Applicable	Not Applicable		Not Applicable

**State Regulations:**

Component:	CAS Number	Maximum %	State Codes
Sodium Sulfate	7757-82-6	0 – 2.5%	MA(F9), PA(E)

**International Regulations:**

**Canadian Environmental Protection Act:**

All the components of this product are included on the Canadian Domestic Substance List (DSL)

**Canadian (WHMIS) Workplace Hazardous Materials Information System:**

**Class:**

Not Applicable

**Description:**

Not controlled under WHMIS

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

**European Inventory of Existing Chemical (EINECS):**

All of the components of this product are included on EINECS

**EU Classification:**



Xi Irritant

**EU Risk (R) and Safety (S) Phrases:**

R36/37/38: Irritating eyes, respiratory system and skin.

S7: Keep container tightly closed.

S18: Handle and open with care.

S20/21: When using do not eat, drink or smoke.

S24/25: Avoid contact with skin and eyes.

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

**16. OTHER INFORMATION****National Fire Protection Assoc. (NFPA) Rating:**

This information is intended solely for the use of individuals trained in the NFPA System.

**Health:** 1  
**Flammability:** 0  
**Reactivity:** 0

**Hazardous Material Identification System (HMIS) Rating:**

This information is intended for the use as a compliance aid for the OSHA Hazard Communication Standard (29CFR 1910.1200).

**Health:** 1  
**Flammability:** 0  
**Reactivity:** 0  
**Personal Protection:** B <Safety Glasses, Gloves>

**Safety Data Sheet (SDS) Preparation Date:**

December 5, 2008

**Safety Data Sheet (SDS) Revision Dates:**

March 12, 2015  
April 26, 2016

**Disclaimer:**

The information presented herein has been compiled from sources considered to be dependable and is accurate to the best of the seller's knowledge. However, seller makes no warranty whatsoever, expresses, implied, or of merchantability regarding the accuracy of such data or the results to be obtained from the use thereof. Seller assumes no responsibility for injury or to third persons or for any damage to any property and buyer assumes all such risks.