



**ALDON CORPORATION**

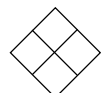
# MATERIAL SAFETY DATA SHEET

221 Rochester Street  
Avon, New York 14414-9409  
(585) 226-6177

MSDS No.: NN0157  
Effective Date: January 12, 2007

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

<b>Product</b>	Nickel (II) Nitrate, 0.1 Molar Solution
<b>Chemical Synonyms</b>	Nickelous Nitrate, Water Solution
<b>Formula</b>	Mixture.
<b>Unit Size</b>	up to 3.785 Lt.
<b>C.A.S. No.</b>	Mixture.



**CHEMTREC**  
800-424-9300  
Day 585-226-6177

<b>Health</b>	2
<b>Fire</b>	0
<b>Reactivity</b>	1

**NFPA**

<b>HAZARD RATING</b>				
MINIMAL	SLIGHT	MODERATE	SERIOUS	SEVERE
0	1	2	3	4

**HMIS\***

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Nickel nitrate: (CAS No. 13138-45-9)	1.83%	TWA: 0.1 mg/m <sup>3</sup> as Ni
Water: (CAS No. 7732-18-5)	98.17%	None established.

**WARNING! MAY BE HARMFUL IF SWALLOWED.**

**CONTACT CAUSES IRRITATION.**

## SECTION III PHYSICAL DATA

Melting Point (°F)	Freezes approx. 0°C (32°F)	Specific Gravity (H <sub>2</sub> O = 1)	Approx. 1.0
Boiling Point (°F)	Approx. 100°C (212°F)	Percent Volatile by Volume (%)	98.17%
Vapor Pressure (mm Hg)	14 (water)	Evaporation Rate (Water = 1)	< 1
Vapor Density (Air=1)	0.7 (water)		
Solubility in Water	Complete.		
Appearance & Odor	Clear, water white, water solution; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	Non-flammable.	<b>Flammable Limits in Air % by Volume</b>	N/A	<b>Lower</b>	<b>Upper</b>
<b>Extinguisher Media</b>	Use any media suitable for extinguishing supporting fire.				

### SPECIAL FIREFIGHTING PROCEDURES

If involved in fire situation, wear a NIOSH/MSHA-approved self-contained breathing apparatus. Use flooding amounts of water in early stages of fire.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

In fire conditions, water may evaporate from this solution, which may cause hazardous decomposition products to be produced as dust or fume.

## SECTION V HEALTH HAZARD DATA

NN0157

<b>Threshold Limited Value</b>	None established for this mixture. As Nickel: CAS No. 7440-02-0 0.1 mg/m <sup>3</sup> . In fume or respirable air.
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<b>Effects of Overexposure</b>	Suspect cancer hazard. All nickel compounds may cause cancer. May be harmful by ingestion. May cause irritation. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available. Risk of cancer depends on level and duration of exposure. Target organs: Lungs, kidneys, blood, central nervous and immune systems.
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<b>Emergency and First Aid Procedures</b>	<b>INGESTION:</b> Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. <b>EYES:</b> Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. <b>SKIN:</b> Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. <b>INHALATION:</b> Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
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## SECTION VI REACTIVITY DATA

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	Excessive temperature to cause evaporation.
	<b>Stable</b>	X		
<b>Incompatibility (Materials to Avoid)</b>	Strong reducing materials. It is incompatible with aluminum, boron phosphide, cyanides, esters and other combustibles; phospham, phosphorous, sodium hypochlorite, stannous chloride and thiocyanates.			

<b>Hazardous Decomposition Products</b>	Thermal decomposition or burning may produce oxides of nitrogen and nickel metal dust or fumes.
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<b>Hazardous Polymerization</b>	<b>Conditions to Avoid</b>
<b>May Occur</b>	<b>Will Not Occur</b>
	X
Not applicable.	

## SECTION VII SPILL OR LEAK PROCEDURES

<b>Steps to be taken in case material is released or spilled</b>	Absorb spill in an inert dry material and place in a suitable container for proper disposal. Wash spill area with soap and water.
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<b>Waste Disposal Method</b>	Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.  Dispose of in an approved chemical landfill or contract with a licensed waste disposal agency.
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## SECTION VIII SPECIAL PROTECTION INFORMATION

<b>Respiration Protection (Specify Type)</b>	None needed in normal laboratory handling. If misty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved respirator.			
<b>Ventilation</b>	<b>Local Exhaust</b>	<b>Recommended.</b>	<b>Special</b>	No.
	<b>Mechanical (General)</b>	<b>Recommended.</b>	<b>Other</b>	No.

<b>Protective Gloves</b>	Rubber.	<b>Eye Protection</b>	Chemical safety goggles.
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<b>Other Protective Equipment</b>	Lab coat, apron, eye wash station, proper gloves.
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## SECTION IX SPECIAL PRECAUTIONS

<b>Precautions to be Taken in Handling &amp; Storing</b>	Store in a cool place. Wash thoroughly after handling. Keep container tightly closed when not in use.
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<b>Other Precautions</b>	Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Keep out of reach of children.
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Avoid contact with skin and eyes. Remove and wash contaminated clothing.

**WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.**

<b>Revision No.</b>	2	<b>Date</b>	01/12/07	<b>Approved</b>	James A. Bertsch	<b>Chemical Safety Coordinator</b>	JAB
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**D.O.T.** NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20