

# SAFETY DATA SHEET

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## SECTION 1 IDENTIFICATION

**MYRON L® COMPANY 2450 IMPALA DRIVE, CARLSBAD, CA 92010**

INFORMATION PHONE #: (760) 438-2021, contact either Jerry Adams or Gary Robinson

BUSINESS HOURS: Monday through Friday 7:00-3:30 p.m. (Pacific Time)

This and additional Myron L Safety Data Sheets (SDS) are available on the World Wide Web at: <http://www.myronl.com>

**PRODUCT:** Nitrate Standard Solution

**CATALOG NUMBERS:** N1SOL, N10SOL, N100SOL, N1000SOL

## SECTION 2 HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

MAYBE HARMFUL IF NOT HANDLED CORRECTLY AND USED AS INTENDED.

### POTENTIAL HEALTH EFFECTS

**EFFECTS OF OVEREXPOSURE:** MAY CAUSE IRRITATION TO EYES, SKIN AND RESPIRATORY TRACT.

**ROUTES OF ENTRY:** INHALATION, INGESTION, EYE CONTACT AND SKIN CONTACT.

**CARCINOGENICITY:** NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARD FOR LEVELS USED IN THESE PRODUCTS.

### GHS Pictogram



EXCLAMATION MARK

•Irritant •Skin Sensitizer •Acute Toxicity •Narcotic Effects  
•Respiratory Tract Irritant •Hazardous to Ozone Layer

**SIGNAL WORDS: WARNING**

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

**CHEMICAL NAME:** Potassium Nitrate Solution

**TRADE NAME & SYNONYMS:** Nitrate ISE Calibration Standard Solution **CHEMICAL FAMILY:** Alkali Metal Nitrate

**CHEMICAL FORMULA:** KNO<sub>3</sub> + H<sub>2</sub>O **CAS #:** Potassium Nitrate #7757-79-1  
Water #7732-18-5

## SECTION 4 FIRST-AID MEASURES

### FIRST AID PROCEDURES:

**EYE CONTACT:** IMMEDIATELY FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION.

**SKIN CONTACT:** WASH OFF WITH SOAP AND WATER. SEEK MEDICAL ATTENTION AS NEEDED.

**INGESTION:** RINSE MOUTH WITH WATER. SEEK MEDICAL ATTENTION.

## SECTION 5 FIRE-FIGHTING MEASURES

<b>FLASH POINT (TEST METHOD)</b>	N/A	<b>FLAMMABLE LIMITS</b>	N/A	<b>Lel</b>	N/A	<b>Uel</b>	N/A
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**EXTINGUISHING MEDIA** USE AN EXTINGUISHING AGENT SUITABLE FOR THE SURROUNDING FIRE.

**SPECIAL HAZARDS & PROCEDURES** FIRE FIGHTERS SHOULD WEAR PROPER PROTECTIVE EQUIPMENT AND SELF CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN POSITIVE PRESSURE MODE.

**UNUSUAL FIRE & EXPLOSION HAZARDS** NO DATA AVAILABLE.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

CLEAN UP SPILL USING ABSORBENT MATERIALS. DO NOT LET PRODUCT ENTER DRAINS.

## SECTION 7 HANDLING AND STORAGE

**HANDLING:** NORMAL USE DOES NOT GENERATE A HAZARDOUS SITUATION WHEN HANDLED IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES.

**STORAGE:** STORE IN A COOL, DRY, AND DARK ENVIRONMENT.

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**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

**THRESHOLD LIMIT VALUE:** NONE ESTABLISHED.  
**RESPIRATORY PROTECTION:** USE SELF CONTAINED BREATHING APPARATUS IF A RISK ASSESSMENT INDICATES NECESSITY.  
**VENTILATION:** USE GENERAL OR LOCAL EXHAUST VENTILATION.  
**EYE PROTECTION:** RECOMMENDED SAFETY GLASSES AND FACE SHIELD.  
**PROTECTIVE GLOVES:** RECOMMENDED GENERAL PURPOSE RUBBER GLOVES.  
**PROTECTIVE CLOTHING:** RECOMMENDED LAB COAT OR SAFETY APRON.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>BOILING POINT, 760 mm Hg (°C)</b>	100°C - 212°F	<b>SPECIFIC GRAVITY</b>	1.0
<b>FREEZE POINT (°C)</b>	Not Determined	<b>SOLUBILITY IN H<sub>2</sub>O, % BY WT. @ 20°C</b>	100%
<b>VAPOR PRESSURE @ 20°C</b>	14 (Water)	<b>APPEARANCE AND ODOR</b>	COLORLESS, ODORLESS LIQUID
<b>VAPOR DENSITY</b>	0.7 (Water)		
<b>PERCENT VOLATILES BY VOLUME</b>	N/A	<b>EVAPORATION RATE</b>	N/A
		<b>pH:</b>	5pH-6pH

**SECTION 10 STABILITY AND REACTIVITY**

<b>STABILITY:</b> Product is stable under normal conditions of use and storage.	<b>CONDITIONS TO AVOID</b>	None known.
<b>REACTIVITY:</b> Same as water.	<b>MATERIALS TO AVOID</b> Strong Reducing Agents, Powderd Metals, Strong Acids, Organic Materials	

**SECTION 11 TOXICOLOGICAL INFORMATION**

**TOXICITY DATA:** No data available.  
**TOXICOLOGICAL FINDING:** No known significant effects or critical hazards.

**SECTION 12 ECOLOGICAL INFORMATION**

**ECOTOXICITY:** No data available. No relevant information available.  
**OTHER ADVERSE EFFECTS:** No relevant information available.

**SECTION 13 DISPOSAL CONSIDERATIONS**

**EPA WASTE NO. AND DISPOSAL TREATMENT:** NO CLASSIFICATION DETERMINED.

**NOTE:** ALWAYS CONTACT A PERMITTED WASTE DISPOSER (TSD) TO ASSURE COMPLIANCE AND ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

**SECTION 14 TRANSPORT INFORMATION**

**DOT Shipping Name**.....Not Regulated For Transport by US Dot.  
**DOT Number**.....None  
**IATA/ICAO**.....NOT REGULATED FOR AIR TRANSPORT BY IATA.

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**SECTION 15 REGULATORY INFORMATION**

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**TSCA INVENTORY:** THE CAS NUMBER OF THIS PRODUCT IS LISTED ON THE TSCA INVENTORY.

COMPONENT . . . . . N/A  
SARA EHS (302) . . . . . N/A  
SARA EHS TOQ (LBS) . . . . . N/A  
CERCLA RQ (LBS) . . . . . N/A  
OSHA FLOOR LIST . . . . . N/A  
SARA 313 . . . . . N/A  
DeMinimis for SARA 313 (%) . . . . . N/A

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**SECTION 16 OTHER INFORMATION**

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**DISCLAIMER:** This information is believed to be accurate and represents the best information currently available to us; however, we make no warranty of merchantability, or fitness for any particular use, or any other warranty, express or implied, with respect to this information, and we assume no liability resulting from the use of this information. Users should make their own investigations to determine the suitability of the information for their particular needs and purposes.

**NFPA Hazard Ratings**  
Health: 1  
Flammability: 0  
Reactivity: 0  
Special Hazards: 0

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SDS APPROVED BY:

