

# MATERIAL SAFETY DATA SHEET

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CaCl<sub>2</sub>

## SECTION 1 CHEMICAL PRODUCT AND COMPANY 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 a.m.-3:30 p.m. (Pacific Time)

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

**CHEMICAL NAME:** Aqueous Salt Solution

**CATALOG NUMBERS:** CaCl<sub>2</sub>-200 Hardness Standard

**TRADE NAME & SYNONYMS:** Hardness Standard Solution

**CHEMICAL FAMILY:** Inorganic Salts

**CHEMICAL FORMULA:** CaCl<sub>2</sub>·2H<sub>2</sub>O, H<sub>2</sub>O, and NaOH

**CAS #:** Calcium Chloride (Dihydrate) #10035-04-8  
Water #7732-18-5  
Sodium Hydroxide #1310-73-2

## SECTION 2 PHYSICAL AND CHEMICAL PROPERTIES

<b>BOILING POINT, 760 mm Hg (°C)</b>	102-107	<b>SPECIFIC GRAVITY</b>	1.0
<b>FREEZE POINT (°C)</b>	-0 TO -20	<b>SOLUBILITY IN H<sub>2</sub>O, % BY WT. @ 20°C</b>	100%
<b>VAPOR PRESSURE @ 20°C</b>	N/A	<b>APPEARANCE AND ODOR</b>	COLORLESS, ODORLESS LIQUID
<b>VAPOR DENSITY</b>	N/A		
<b>PERCENT VOLATILES BY VOLUME</b>	N/A	<b>EVAPORATION RATE</b>	N/A

## SECTION 3 FIRE FIGHTING MEASURES

<b>FLASH POINT (TEST METHOD)</b>	N/A	<b>FLAMMABLE LIMITS</b>	N/A	<b>LeI</b>	N/A	<b>UeI</b>	N/A
<b>EXTINGUISHING MEDIA</b>	NON-FLAMMABLE						
<b>SPECIAL HAZARDS &amp; PROCEDURES</b>	N/A						
<b>UNUSUAL FIRE &amp; EXPLOSION HAZARDS</b>	N/A						

## SECTION 4 STABILITY AND REACTIVITY

<b>STABILITY:</b> Product stable under normal temperatures and pressures.	<b>CONDITIONS TO AVOID</b>	None known.
<b>REACTIVITY:</b> Same as water.	<b>MATERIALS TO AVOID</b>	(N/A) WATER (N/A) ACIDS (N/A) BASES OTHER SPECIFY Strong Oxidizing Agents

## SECTION 5 ACCIDENTAL RELEASE MEASURES

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

CLEAN SPILL USING ABSORBENT MATERIALS AND WATER, AND THEN AIR OUT AREA.

## SECTION 6 HAZARDS IDENTIFICATION

<b>THRESHOLD LIMIT VALUE:</b>	NONE KNOWN.
<b>EFFECTS OF OVEREXPOSURE:</b>	IRRITATING TO EYES, MUCOUS MEMBRANES, SKIN AND DIGESTIVE TRACT.
<b>ROUTES OF ENTRY:</b>	INGESTION.
<b>CARCINOGENICITY:</b>	No component of this product present at levels greater than or equal to 0.1% is identified (by IARC, NTP, or OSHA) as a probable, potential, or anticipated carcinogen.

## SECTION 7 FIRST AID MEASURES

**FIRST AID PROCEDURES:**

**EYE CONTACT:** FLUSH WITH LARGE AMOUNTS OF WATER.  
**SKIN CONTACT:** WASH OFF WITH SOAP AND WATER.  
**INGESTION:** DRINK PLENTY OF WATER. DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

CaCl<sub>2</sub>

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**SECTION 8 PERSONAL PROTECTION**

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**RESPIRATORY PROTECTION:** NONE REQUIRED.  
**VENTILATION:** NONE REQUIRED.  
**EYE PROTECTION:** RECOMMENDED.  
**PROTECTIVE GLOVES:** NONE REQUIRED.  
**PROTECTIVE CLOTHING:** NONE REQUIRED.

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**SECTION 9 HANDLING AND STORAGE**

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

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**SECTION 10 TOXICOLOGICAL INFORMATION**

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**TOXICITY DATA:** No data available.  
**TOXICOLOGICAL FINDING:** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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**SECTION 11 DISPOSAL CONSIDERATIONS**

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**EPA WASTE NO. AND DISPOSAL TREATMENT:**  
MATERIAL DOES NOT HAVE AN EPA WASTE NUMBER AND IS NOT A LISTED WASTE.  
**NOTE:** ALWAYS CONTACT A PERMITTED WASTE DISPOSER (TSD) TO ASSURE COMPLIANCE AND ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

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**SECTION 12 TRANSPORT INFORMATION**

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**DOT Shipping Name**.....Not dangerous goods.  
**DOT Number**.....None

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**SECTION 13 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 14 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, expressed 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: 2  
Flammability: 0  
Reactivity: 0  
Special Hazards: 0

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**MSDS APPROVED BY:** Jerry D. Adams