

# MATERIAL SAFETY DATA SHEET

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## SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### MYRON L COMPANY 2450 IMPALA DRIVE, CARLSBAD, CA 92010

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BUSINESS HOURS : Mon thru Fri 7:00-3:30 PM (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:** Buffered Phthalate Solution

**CATALOG NUMBERS:** pH 4.00 Buffer

**TRADE NAME & SYNONYMS:** pH Reference Buffer Solution, pH 4.00

**CHEMICAL FAMILY:** Buffered Phthalate Dilute Solution

**CHEMICAL FORMULA:**  $\text{KHC}_8\text{H}_4\text{O}_4$  and  $\text{H}_2\text{O}$

**CAS #:** Potassium Hydrogen Phthalate #877-24-7  
Water #7732-18-5

## SECTION 2 PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT, 760mm Hg ( °C )	100	SPECIFIC GRAVITY	1.0
FREEZE POINT ( °C )	0	SOLUBILITY IN $\text{H}_2\text{O}$ ,% BY WT. @ 20° C	100%
VAPOR PRESSURE @ 20° C	14 TORR	APPEARANCE AND ODOR	PINK OR LIGHT RED, ODORLESS LIQUID
VAPOR DENSITY	0.7 ( $\text{H}_2\text{O}$ )	EVAPORATION RATE (ETHER = 1)	1.0
PERCENT VOLATILES BY VOLUME	N/A		

## SECTION 3 FIRE FIGHTING MEASURES

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

## SECTION 4 STABILITY AND REACTIVITY

STABILITY: Product stable under normal temperatures and pressures.	CONDITIONS TO AVOID: NONE KNOWN.
REACTIVITY: SAME AS WATER.	MATERIALS TO AVOID: (N/A) WATER, (N/A) ACIDS, (N/A) BASES, (N/A) OTHER SPECIFY

## 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

THRESHOLD LIMIT VALUE: NONE KNOWN.  
EFFECTS OF OVEREXPOSURE: IRRITATING TO EYES, MUCOUS MEMBRANES, SKIN AND DIGESTIVE TRACT.  
ROUTES OF ENTRY: INGESTION.  
CARCINOGENICITY: MATERIAL IS NOT LISTED (IARC, NTP, OSHA) AS A CANCER CAUSING AGENT.

## SECTION 7 FIRST AID MEASURES

FIRST AID PROCEDURES:

EYE CONTACT:

SKIN CONTACT:

INGESTION:

FLUSH WITH LARGE AMOUNTS OF WATER.

WASH WITH SOAP AND RINSE WITH LARGE AMOUNTS OF WATER.

DRINK PLENTY OF WATER, INDUCE VOMITING, SEEK MEDICAL ATTENTION IMMEDIATELY.

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## SECTION 8 PERSONAL PROTECTION

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<b>RESPIRATORY PROTECTION:</b>	NONE REQUIRED.
<b>VENTILATION:</b>	NONE REQUIRED.
<b>EYE PROTECTION:</b>	RECOMMENDED.
<b>PROTECTIVE GLOVES:</b>	NONE REQUIRED.
<b>PROTECTIVE CLOTHING:</b>	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:** N/A

**TOXICOLOGICAL FINDING:**  
TESTS ON LABORATORY ANIMALS INDICATE MATERIAL DOES NOT PRODUCE ADVERSE MUTAGENIC EFFECTS.  
CITED IN REGISTRY OF TOXIC EFFECTS OF SUBSTANCES (RTECS)

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## SECTION 11 DISPOSAL CONSIDERATIONS

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**EPA WASTE NO. & 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 & LOCAL REGULATIONS.

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## SECTION 12 TRANSPORT INFORMATION

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DOT SHIPPING NAME..... NON-REGULATED  
DOT NUMBER..... NONE  
IATA/ICAO..... Non-Hazardous Substance. No UN-Number.

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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, 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 puposes.

<b>NEPA Hazard Ratings</b>	
Health:	0
Flammability:	0
Reactivity:	0
Special Hazards:	0

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