

SAFETY DATA SHEET

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pH4

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: pH Calibration Buffer Solution

CATALOG NUMBERS: pH 4.00 Buffer

SECTION 2 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

NON-FLAMMABLE, NON-TOXIC, NON CORROSIVE.

DOES NOT PRESENT ANY SIGNIFICANT HEALTH HAZARDS IF HANDLED CORRECTLY.

PICTOGRAMS: NONE

SIGNAL WORD: NONE

POTENTIAL HEALTH EFFECTS

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 3 COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME: Buffered Phthalate Solution

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

CHEMICAL FAMILY: Buffered Phthalate Dilute Solution

CHEMICAL FORMULA: $\text{KHC}_8\text{H}_7\text{O}_4$ and H_2O

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

SECTION 4 FIRST-AID MEASURES

FIRST AID PROCEDURES:

EYE CONTACT:

FLUSH WITH LARGE AMOUNTS OF WATER.

SKIN CONTACT:

WASH WITH SOAP AND RINSE WITH LARGE AMOUNTS OF WATER.

INGESTION:

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

SECTION 5 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 6 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 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 AT ROOM TEMPERATURE.

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SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

THRESHOLD LIMIT VALUE: NONE KNOWN.
RESPIRATORY PROTECTION: NONE REQUIRED.
VENTILATION: NONE REQUIRED.
EYE PROTECTION: RECOMMENDED.
PROTECTIVE GLOVES: NONE REQUIRED.
PROTECTIVE CLOTHING: NONE REQUIRED.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---------------------------------------|------------------------|--|------------------------------------|
| BOILING POINT, 760mm Hg (°C) | 100 | SPECIFIC GRAVITY | 1.0 |
| FREEZE POINT (°C) | 0 | SOLUBILITY IN H₂O,% BY WT. @ 20° C | 100% |
| VAPOR PRESSURE @ 20° C | 14 TORR | APPEARANCE AND ODOR | PINK OR LIGHT RED, ODORLESS LIQUID |
| VAPOR DENSITY | 0.7 (H ₂ O) | | |
| PERCENT VOLATILES BY VOLUME | N/A | EVAPORATION RATE (ETHER = 1) | 1.0 |
| | | pH: | 4.00pH |

SECTION 10 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 11 TOXICOLOGICAL INFORMATION

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 Chemical Substances (RTECS)

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. & 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.

SECTION 14 TRANSPORT INFORMATION

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

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SECTION 15 REGULATORY INFORMATION

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

SECTION 16 OTHER INFORMATION

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: 0
Flammability: 0
Reactivity: 0
Special Hazards: 0

SDS APPROVED BY:

