

SAFETY DATA SHEET

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NaOH

SECTION 1 IDENTIFICATION

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

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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: Sodium Hydroxide Hardness Solution

CATALOG NUMBERS: Reagent: H1 Hardness Buffer - NaOH 2OZ./QT., 9PTKA, PS9TKA.

SECTION 2 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

THESE ITEMS ARE MILDLY CORROSIVE AND SHOULD BE HANDLED WITH CARE.

POTENTIAL HEALTH EFFECTS

EFFECTS OF OVEREXPOSURE: AGGRAVATION TO EYES AND SKIN. MAY CAUSE BURNS.

ROUTES OF ENTRY: INHALATION, INGESTION, AND SKIN.

CARCINOGENICITY: MATERIAL IS NOT LISTED (IARC, NTP, OSHA) AS A CANCER CAUSING AGENT.

GHS Pictograms



CORROSION

•Skin Corrosion/Burns
•Eye Damage
•Corrosive to Metals



EXCLAMATION MARK

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

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME: Soda lye Aqueous Solution

TRADE NAME & SYNONYMS: Sodium Hydroxide ≤ 4%

CHEMICAL FORMULA: NaOH in H₂O

CHEMICAL FAMILY: Inorganic alkali solution

CAS #: Sodium Hydroxide #1310-73-2
Water #7732-18-5

SECTION 4 FIRST-AID MEASURES

FIRST AID PROCEDURES:

EYE CONTACT:

GET MEDICAL ATTENTION IMMEDIATELY. FLUSH WITH WATER FOR 20 MINUTES UNTIL CHEMICAL IS REMOVED.

SKIN CONTACT:

WASH THOROUGHLY WITH SOAP AND WATER. SEEK MEDICAL ATTENTION AS NEEDED.

INGESTION:

GIVE LARGE AMOUNT OF WATER. SEEK MEDICAL ATTENTION. DO NOT INDUCE VOMITING.

SECTION 5 FIRE-FIGHTING MEASURES

FLASH POINT (TEST METHOD)

N/A

FLAMMABLE LIMITS

N/A

Lel N/A

Uel N/A

EXTINGUISHING MEDIA

DRY CHEMICAL, WATER SPRAY OR FOAM.

SPECIAL HAZARDS & PROCEDURES

WEAR SELF CONTAINED BREATHING APPARATUS AND SPECIAL PROTECTIVE CLOTHING.

UNUSUAL FIRE & EXPLOSION HAZARDS

MAY REACT WITH METAL TO PRODUCE HYDROGEN GAS. MAY EMIT TOXIC OR IRRITATING FUMES.

SECTION 6 ACCIDENTAL RELEASE MEASURES

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

NEUTRALIZE WITH DILUTE ACID. ABSORB WITH VERMICULITE OR OTHER INERT MATERIAL. CONTAINERIZE FOR LATER DISPOSAL.

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 WELL VENTILATED DRY AREA. AVOID DIRECT SUNLIGHT.

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SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

THRESHOLD LIMIT VALUE: 2 mg/m³
RESPIRATORY PROTECTION: WEAR RESPIRATOR WHEN VENTILATION IS INADEQUATE. AVOID BREATHING CHEMICAL.
VENTILATION: GENERAL ROOM VENTILATION IS ADEQUATE.
EYE PROTECTION: RECOMMENDED SAFETY GLASSES.
PROTECTIVE GLOVES: RECOMMENDED GENERAL PURPOSE GLOVES.
PROTECTIVE CLOTHING: RECOMMENDED LAB COAT OR SAFETY APRON.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT, 760 mm Hg (°C)	99.9°C	SPECIFIC GRAVITY	1.2
FREEZE POINT (°C)	-0.1°C	SOLUBILITY IN H₂O, % BY WT. @ 20°C	100%
VAPOR PRESSURE @ 20°C	17	APPEARANCE AND ODOR	COLORLESS, ODORLESS LIQUID
VAPOR DENSITY	.6	EVAPORATION RATE	
PERCENT VOLATILES BY VOLUME	98	pH:	13.15pH ±.10

SECTION 10 STABILITY AND REACTIVITY

STABILITY: The product is stable	CONDITIONS TO AVOID Incompatibles
REACTIVITY: Explosive in the presence of heat and metals	MATERIALS TO AVOID (N/A) WATER (N/A) ACIDS (N/A) BASES OTHER SPECIFY Metals, acids, organic halogens, nitro and chloro organic compounds, peroxide and heat.

SECTION 11 TOXICOLOGICAL INFORMATION

TOXICITY DATA: LDLo (oral-rabbit): 500 mg/kg
TOXICOLOGICAL FINDING: Contains corrosive material which is hazardous to skin, eyes, lungs, and upper respiratory tract.

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY: Sodium hydroxide has high acute and chronic toxicity to aquatic life.
OTHER ADVERSE EFFECTS: Environmental precautions: Insufficient data. No known significant effects or critical hazards.

SECTION 13 DISPOSAL CONSIDERATIONS

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.

SECTION 14 TRANSPORT INFORMATION

DOT Shipping Name.....Sodium hydroxide solution
DOT Number.....UN1824 class: 8 packaging group: 111
IATA/ICAO.....UN1824, sodium hydroxide solution, 8,111

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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: 3
Flammability: 0
Reactivity: 0
Special Hazards: N/A

SDS APPROVED BY:

