

SAFETY DATA SHEET

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HCl

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: Hydrochloric Acid Solution Hardness Solution

CATALOG NUMBERS: Reagent: C1 HCl-3 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: IRRITANT AND MAY CAUSE BURNS TO EYES, SKIN AND RESPIRATORY TRACT.

ROUTES OF ENTRY: DERMAL CONTACT, EYE CONTACT, INHALATION, INGESTION.

CARCINOGENICITY: CLASSIFIED AS A4 (NOT CLASSIFIABLE AS A HUMAN CARCINOGEN.)

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: Hydrochloric Acid \leq 3%

TRADE NAME & SYNONYMS: HCl-3 Hardness Reagent

CHEMICAL FAMILY: Inorganic Acid and Solution

CHEMICAL FORMULA: HCl in H₂O

CAS #: Hydrochloric Acid
Water

#7647-01-0
#7732-18-5

SECTION 4 FIRST-AID MEASURES

FIRST AID PROCEDURES:

EYE CONTACT: IMMEDIATELY FLUSH EYES WITH WATER 15 MINUTES. SEEK MEDICAL ATTENTION.
SKIN CONTACT: WASH THOROUGHLY WITH PLENTY OF WATER. SEEK MEDICAL ATTENTION AS NEEDED.
INGESTION: GIVE LARGE AMOUNT OF WATER. DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION.

SECTION 5 FIRE-FIGHTING MEASURES

FLASH POINT (TEST METHOD)	N/A	FLAMMABLE LIMITS	N/A	Lel	N/A	Uel	N/A
EXTINGUISHING MEDIA	WATER OR WATER SPRAY; NEUTRALIZE WITH SODA ASH OR SLAKED LIMES.						
SPECIAL HAZARDS & PROCEDURES	WEAR SELF-CONTAINED BREATHING APPARATUS AND SPECIAL PROTECTIVE CLOTHING.						
UNUSUAL FIRE & EXPLOSION HAZARDS	MAY REACT WITH METALS OR HEAT TO RELEASE FLAMMABLE HYDROGEN GAS.						

SECTION 6 ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: CONTAIN SPILL. VENTILATE AREA OF LEAK OR SPILL. NEUTRALIZE WITH SODA ASH OR LIME. ABSORB WITH VERMICULITE OR OTHER INERT MATERIAL, SUCH AS SAND OR EARTH. 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: KEEP CONTAINER TIGHTLY CLOSED. STORE IN CORROSION-PROOF AREA THAT IS COOL, DRY AND WELL VENTILATED.

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SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

THRESHOLD LIMIT VALUE: 2ppm (Ceiling)
RESPIRATORY PROTECTION: RECOMMENDED FOR EXPOSURE TO HIGHER CONCENTRATIONS.
 AVOID DIRECTORY BREATHING CHEMICAL.
VENTILATION: USE GENERAL OR LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.
EYE PROTECTION: RECOMMENDED SAFETY GLASSES AND/OR FACE SHIELD.
PROTECTIVE GLOVES: RECOMMENDED GENERAL PURPOSE RUBBER GLOVES.
PROTECTIVE CLOTHING: RECOMMENDED LAB COAT OR SAFETY APRON.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT, 760 mm Hg (°C)	100°C	SPECIFIC GRAVITY	1
FREEZE POINT (°C)	Not Known	SOLUBILITY IN H₂O, % BY WT. @ 20°C	100%
VAPOR PRESSURE @ 20°C	17	APPEARANCE AND ODOR	COLORLESS, ODORLESS LIQUID
VAPOR DENSITY	.6		
PERCENT VOLATILES BY VOLUME	100	EVAPORATION RATE	.36 (water)
		pH:	1.0 ±5%

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Product stable under normal temperatures and pressures.	CONDITIONS TO AVOID Heat, direct sunlight, incompatibles
REACTIVITY: Incompatibles, strong bases, metals, metal oxides, hydroxides amines, carbonates and other alkaline materials.	MATERIALS TO AVOID (N/A) WATER (N/A) ACIDS (N/A) BASES OTHER SPECIFY cyanides, sulfides, sulfites, and formaldehyde

SECTION 11 TOXICOLOGICAL INFORMATION

TOXICITY DATA: LD 50 (oral-rabbit) (mg/kg) - 900 LC50 (inhalation - mouse) 1,108 ppm (1 hour)
TOXICOLOGICAL FINDING: Eye, skin and lung conditions can be aggravated by exposure.

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY: Hydrogen chloride has slight acute and chronic toxicity to aquatic life.
OTHER ADVERSE EFFECTS: 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.....Chemicals, N.O.S.
DOT Number.....None
IATA/ICAO.....Not dangerous goods.

HCI

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: 1
Flammability: 0
Reactivity: 0
Special Hazards: N/A

SDS APPROVED BY:

