

MATERIAL SAFETY DATA SHEET

Preparation & Last Date Printed: 03/09/11 REV: A

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HCl

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: Hydrochloric Acid Solution

TRADE NAME & SYNONYMS: Hydrochloric acid \leq 3%

CHEMICAL FORMULA: HCl in H₂O

CATALOG NUMBERS: Reagent: C1 HCl-3

CHEMICAL FAMILY: Inorganic Acid Solution

CAS #: Hydrochloric acid #7647-01-0
Water #7732-18-5

SECTION 2 PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT, 760 mm Hg (°C)	100°C	SPECIFIC GRAVITY	1
FREEZE POINT (°C)	Not Known	SOLUBILITY IN H ₂ O, % BY WT. @ 20°C	100%
VAPOR PRESSURE @ 20°C (mm Hg)	17	APPEARANCE AND ODOR	COLORLESS, PUNGENT LIQUID
VAPOR DENSITY (Air = 1)	.6		
PERCENT VOLATILES BY VOLUME	100	EVAPORATION RATE	.36 (water)

SECTION 3 FIRE FIGHTING MEASURES

FLASH POINT (TEST METHOD)	N/A	FLAMMABLE LIMITS	N/A	Lel N/A	Uel N/A
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EXTINGUISHING MEDIA Water or water spray; neutralize with soda ash or slaked lime.

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 4 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 5 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 6 HAZARDS IDENTIFICATION

THRESHOLD LIMIT VALUE: 2ppm (ceiling)

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)

SECTION 7 FIRST AID MEASURES

FIRST AID PROCEDURES:

EYE CONTACT: Immediately flush eyes with water for 15 minutes. Seek medical attention.

SKIN CONTACT: Wash thoroughly with plenty of water. Seek medical attention as needed.

INGESTION: Give large amounts of water. Do not induce vomiting. Seek medical attention.

SECTION 8 PERSONAL PROTECTION

RESPIRATORY PROTECTION: Recommended for exposure to higher concentrations. Avoid directly 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 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.

SECTION 10 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 11 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 12 TRANSPORT INFORMATION

DOT Shipping Name.....chemicals, N.O.S.
DOT Number.....None

SECTION 13 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 LISTN/A
SARA 313N/A
DeMinimis for SARA 313 (%) N/A

SECTION 14 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, 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: 1
Flammability: 0
Reactivity: 0
Special Hazards: N/A

MSDS APPROVED BY: Jerry D. Adams