

MATERIAL SAFETY DATA SHEET

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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: Sulfuric acid solution

TRADE NAME & SYNONYMS: Sulfuric acid ≤ 1%

CHEMICAL FORMULA: H₂SO₄ in H₂O

CATALOG NUMBERS: Reagent: A1 H₂SO₄-1

CHEMICAL FAMILY: Inorganic Acid Solution

CAS #: Sulfuric acid
Water

#7664-93-9
#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, ODORLESS LIQUID
VAPOR DENSITY (Air = 1)	.6		
PERCENT VOLATILES BY VOLUME	100	EVAPORATION RATE	N/A

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 Dry chemical, foam, or carbon dioxide

SPECIAL HAZARDS & PROCEDURES Wear self-contained breathing apparatus and special protective clothing.

UNUSUAL FIRE & EXPLOSION HAZARDS May react violently with water. May react with metals to produce hydrogen gas. May ignite combustible materials. May emit toxic fumes of sulfur oxides.

SECTION 4 STABILITY AND REACTIVITY

STABILITY: Product stable under normal temperatures and pressures.	CONDITIONS TO AVOID Extreme heat, incompatibles
REACTIVITY: Incompatibles	MATERIALS TO AVOID (N/A) WATER (N/A) ACIDS (N/A) BASES OTHER SPECIFY Contact with strong alkali and metals. Avoid strong oxidizing and reducing agents and many other reactive substances.

SECTION 5 ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: 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: None known. Not a significant hazard at this low concentration.
EFFECTS OF OVEREXPOSURE: Irritant and may cause burns to eyes and skin. May cause gastrointestinal irritation.
ROUTES OF ENTRY: Ingestion and skin. Inhalation and eye contact.
CARCINOGENICITY: Material is not listed (IARC, NTP, OSHA) as a cancer causing agent. Chronic exposure to mists containing sulfuric acid, depending on duration and exposure levels, is a cancer hazard.

SECTION 7 FIRST AID MEASURES

FIRST AID PROCEDURES:

EYE CONTACT:

Flush with large amounts of water. Seek medical attention.

SKIN CONTACT:

Wash skin thoroughly with soap and water. Seek medical attention as needed.

INGESTION:

Drink 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: 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 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 dry area. Keep out of direct sunlight away from heat and incompatible materials.

SECTION 10 TOXICOLOGICAL INFORMATION

TOXICITY DATA: No data available.
TOXICOLOGICAL FINDING: Strong mists containing sulfuric acid is a known human carcinogen. This applies only to mists containing sulfuric acid and not to sulfuric acid or sulfuric acid solutions.

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.....Non-Regulated (Not meant to be all inclusive - selected regulation represented)
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