

Safety Data Sheet

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1. IDENTIFICATION

Product: Amino Acid Standards: WAT088122, WAT010948, WAT010949	MSDS #: 735000122
Product Use: For laboratory use only.	Date: Rev 3, May 2, 2013

2. HAZARDS IDENTIFICATION:

Classification & labeling according to GHS and Table 3.1 Annex VI of regulation 1272/2008/EU, as amended:

Classification: Skin Irrit. 2: C < 10 %; Eye Irrit. 2: C < 10 % .



GHS/CLP Label Elements: Hydrochloric Acid 1.5%: Pictogram(s): Signal Word(s): Danger. Hazard statement(s): Causes skin irritation. Causes serious eye irritation. Precautionary statements(s): Wear protective gloves/ eye protection. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

The small quantities supplied in our products are unlikely to cause severe or immediate health effects. Use only as directed and in accordance with safe laboratory practices.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

CHEMICAL INGREDIENT NAME	CAS NUMBER	EC NUMBER	% by Weight	EXPOSURE LIMITS		
				OSHA	ACGIH	EU IOELV
Hydrochloric Acid Solution	7647-01-0	231-595-7	<1.5%	5 ppm C	2 ppm C	5 ppm; 10 ppm STEL

Notes: Ten ml vials or 1 ml ampoules of Physiological (basics and acidics and neutrals) and Hydrolysate (protein) Amino Acid Standards in 0.1N hydrochloric acid (<1.5 % HCL by weight).

Exposure Limits are 8-Hour TWA. (Time Weighted Average) unless designated C (Ceiling) or STEL (Short Term Exposure Limit).

4. FIRST AID MEASURES:

Inhalation: Remove to fresh air.

Skin Contact: Flush with water.

Eye Contact: Immediately flush with water for a minimum of 15 minutes.

Ingestion: Get medical attention.

After following first aid measures, seek medical attention.

5. FIRE-FIGHTING MEASURES:

Flammable Properties: Not flammable.

Extinguishing Media: Dry chemical, carbon dioxide or appropriate foam.

Unique Aspects Contributing To a Fire: None.

Special Fire Fighting Procedures: None.

Note: As in any fire, wear self-contained breathing apparatus, and full protective gear.

6. ACCIDENTAL RELEASE MEASURES: Due to small quantities involved, spills or leaks should not pose a significant problem. Absorb liquid with spill pillow or other absorbent. Place wastes into closed containers for proper disposal.

7. HANDLING AND STORAGE: Freezer storage is required for protection of the material. Handle with plastic equipment only and as directed in accordance with safe laboratory practices.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Handle in accordance with safe laboratory practices.

Respiratory Protection: Not normally needed.

Eye Protection: Splash goggles.

Skin Protection: Neoprene or other chemical resistant gloves. Disposable nitrile are acceptable for light intermittent exposure.

Engineering Controls: No special requirements.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: Clear, colorless liquid

Physical State: Liquid	Flash Point: NA	Vapor Pressure: NA
Odor: NA	Explosion Limits: NA	Vapor Density (air=1): NA
pH: 1.4	Boiling Point: NA	Solubility in Water: Soluble
Specific Gravity: NA	Melting Point: NA	Other: NA

10. STABILITY AND REACTIVITY:

Hazardous Polymerization Will Not Occur May Occur
 Stability: Stable

<u>Hazardous Decomposition/Combustion Products:</u> Hydrogen chloride	<u>Conditions & Materials to Avoid:</u> NA
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11. TOXICOLOGICAL INFORMATION:

Primary Route(s) of Exposure under Normal Use: Contact.

Target Organ(s): Skin and eyes.

Acute Effects: May cause burns to skin and eyes.

Chronic Effects: NA

Other Information: Chemical Ingredient(s) not classified as carcinogen(s) by OSHA, IARC, NTP, ACGIH, or California.

12. ECOLOGICAL INFORMATION: NA**13. DISPOSAL CONSIDERATIONS: Consult state, local or national regulations for proper disposal.****14. TRANSPORT INFORMATION:**

<u>IATA/ICAO:</u> Shipping Name: Hydrochloric Acid Solution Hazard Class: 8 UN/NA #: 1789 Packing Group #: III	IMDG: Same as IATA ADR: Same as IATA
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15. REGULATORY INFORMATION:U.S. TOSCA: Constituents listed.

Canada: This product has been classified according to the hazard criteria of the Controlled Product Registration (CPR) and this SDS contains all the information required by the CPR.

16. OTHER INFORMATION:

<u>U.S. EPA</u>	National Fire Protection Association Rating		
<u>SARA 313 Chemicals</u>	<u>CERCLA RQ</u>	4=Severe Hazard	<u>HEALTH</u> NA
None	5000 lbs	3=Serious Hazard	<u>FLAMMABILITY</u> NA
		2=Moderate Hazard	<u>REACTIVITY</u> NA
		1=Slight Hazard	<u>OTHER</u> NA
		0=Minimal Hazard	

Notes, abbreviations and acronyms:

ACGIH: American Conference of Governmental Industrial Hygienists
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 EC: European Commission
 EU IOELV: European Union Indicative Occupational Exposure Limit Values

GHS: Globally Harmonized System of Classification and Labeling of Chemicals
 IATA: International Air Transport Association
 IMDG: International Maritime Code for Dangerous Goods
 NA: Not Available.
 OSHA: Occupational Safety and Health Administration

For laboratory use only. Not for drug, household or other uses.

The information contained herein has been compiled from data presented in various technical sources believed to be accurate. Waters makes no warranties and assumes no liability in connection with the use of this information. It is the user's responsibility to determine the suitability of this information and to assure the adoption of necessary precautions.

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