SAFETY DATA SHEET

1 Chemical Product and Company Identification

Product Name	: Ammonium Lactate Solution	
Other Name	: 2-Hydroxypropanoic Acid Ammonium salt.	
Manufacturer	: Musashino Chemical Laboratory, Ltd.	
Address	: Tekko Bldg., 8-2, Marunouchi 1-Chome,	
	Chiyoda-Ku, Tokyo 100-0005	
TEL	: +81-3-6810-0242	
FAX	: +81-3-6810-0148	

2. Hazards Identification

Hazard Classification	: Not classified
Hazard Statement	: Nothing

3. Composition/Information of Ingredients

It is water solution of Ammonium Lactate.

Ingredient and Content : Ammonium Lactate 65% Water 35%

Formula

MITI No.	: 2-3466
CAS No.	: 515-98-0
EINECS	: 208-214-8
TSCA	: On Inventory

4. First Aid Measures

First Aid Measures under different exposure routes :

Inhalation :

Move the exposed person to fresh air at once. Get medical attention.

Skin Contact :

Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

Eye Contact :

Continue to rinse for at least 15 minutes. Make sure to remove any contact lenses

from the eyes before rinsing. Get medical attention if any discomfort continues.

Ingestion :

Immediately rinse mouth and drink plenty of water. Get medical attention immediately.

Most important symptoms and effects :

No information available.

Protection of first aider :

No information available.

Notes for the physician :

No information available.

5. Fire Fighting Measures

Suitable extinguishing media :

This product is not flammable. Use fire extinguishing media appropriate for surrounding materials. Dry chemicals and/or foam are suitable.

Special hazards arising from the product :

No information available.

Special fire-fighting methods :

Fire-fighting in the wind. Remove from fire and move to empty place. Cool containers with water spray. Provide adequate ventilation. Prevent fire extinguishing water from contaminating surface water or the ground water system.

Protection for fire-fighters :

Fire-fighters should wear appropriate breathing apparatus and protective equipment.

6. Accidental Release Measures

Personal precautions :

Wear personal protective equipment (See section 8).

Environmental precautions :

It is biodegradable. And it is thought that fish toxicity is low.

Methods cleaning up :

Flush area with water. Or Absorb in combustible material and incinerate.

7. Handling and Storage

Handling :

Avoid spilling, skin and eye contact. Wear appropriate clothing to prevent any possibility of skin contact.

Storage :

Store in tightly closed original container. Protect from light, including direct sunrays. Store below room temperature.

8. Exposure Controls/Personal Protection

Engineering control :

Provide local exhaust or process enclosure ventilation system.

Personal protective equipment :

:	In case of inadequate ventilation wear respiratory
	protection.
:	Wear protective gloves.
:	Wear approved safety goggles.
:	Wear appropriate clothing to prevent any possibility
	of skin contact.
	:

Hygiene measures :

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

9. Physical and Chemical Properties

Appearance	: Transparent liquid.	
Color	Colorless or slightly yellow	
Odor	: Odorless or slightly characteristic odor	
pH	: 4.5~6.0	
Flash Point	: Not available	
Flammability	: Not flammable	
Specific Gravity	$: 1.1 \sim 1.2$ (d ²⁰ ₂₀)	
Solubility	Miscible with water and ethanol.	

10. Stability and Reactivity

Stability: Stable under normal conditions of handling, storage use.Reactivity: Not available.Hazardous decomposition products : Carbon monoxide, Nitrogen oxides

11. Toxicological Information

Acute Toxicity: No data available.Local Effect: No dataMutagenicity: Ames test : NegativeSkin corrosion: No data

12. Ecological Information

Persistence/degradability : Good.

13. Disposal Consideration

Waste Disposal methods : Incinerate in suitable combustion chamber. Dispose of

waste and residues in accordance with local authority requirements.

14. Transport Information

UN Number	: Not regulated
UN Proper shipping name	: Not regulated
UN Classification	: Not regulated
Packing Group	: Not regulated
Mark/Label(s)	: Not regulated
Marine pollutant (Yes/No)	: No
Additional information	:

The materials transportation by vehicles, the sender serves deliverers with instructions for safe handling. In transportation confirm leakless of the container, and load the materials not to upset, fall and damage. Secure preventing the load from falling.

15. Regulatory Information

Applicable regulations : Not Data

16. Other Information

References :

1) "The Handbook of Prevention for Dangerous Substances Accident and Emergencies"

KOBEKAINAN BOSHIKENKYUKAI published by SEIZANDO (Japanese)

- 2) "The Merck Index 12th ED." (1996) KYORITSU SHUPPAN (Japanese)
- 3) Unpublished data (for Company use: Japanese)

Disclaimer

The information in this SDS is provided all the relevant data fully and truly. However, the information is provided without any warranty on their absolute extensiveness and accuracy. This SDS was prepared to provide safety preventive measures for the users who have got professional training. The personal user who obtained this SDS should make independent judgment for the applicability of this SDS under special conditions. In these special cases, we do not assume responsibility for the damage.