

SAFETY DATA SHEET

1. Chemical Product and Company Identification

Product Name : Aluminum Lactate
 Other Name : Aluminium Lactate
 Aluminum trilactate
 Aluminum Tris-(2-Hydroxypropanoate)
 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 single substance of Aluminium Lactate.

Ingredient and Content :

Single component

Formula $\left(\begin{array}{c} \text{CH}_3 \\ | \\ \text{HO}-\text{CH}-\text{COO} \end{array} \right)_3 \text{Al}$

MITI No. : 2-1376
 CAS No. : 18917-91-4
 EINECS : 242-670-9

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 lukewarm water.

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. Foam.

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 :

Collect immediately to prevent it from scattering. Flush area with water. Handle waste appropriately.

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 :

Respiratory protection : In case of inadequate ventilation wear respiratory protection.

Hand protection : Wear protective gloves.

Eye protection : Wear approved safety goggles.

Skin and body protection : 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 : Powder.

Color : White

Odor : Odorless or slightly characteristic odor

pH(1→11) : 3.0~4.0

Flash Point : Not available

Flammability : Not flammable

Solubility : Soluble in Water

10. Stability and Reactivity

Stability : Stable under normal conditions of handling, storage use.

Reactivity : Not available.

Hazardous decomposition products : Not available.

11. Toxicological Information

Acute Toxicity : After dosage of 100, 200, 300mg of aluminium lactate to pregnant rat, weight decrease and death rate of rat pup are seen. Embryo toxicity and neurotoxicity are reported.

Local Effect : No data

Toxic dose : TDLo 6,270mg/kg (Mouse, preg 6-15D oral)
Embryo and/or fetal toxicity

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 :

1. Pharmaceutical Affairs Act : Japanese Pharmaceutical Codex

16. Other Information

References :

- 1) Bull. Environ. Contam. Toxicol. (1989) 42(3),451-455
Bernuzzi,V.; Desor,D.; Lehr,P.R.
- 2) "The Handbook of Prevention for Dangerous Substances Accident and Emergencies"
KOBEKAINAN BOSHIKENKYUKAI published by SEIZANDO (Japanese)
- 3) The Merck Index 12th Ed. (1986)
- 4) Research Communications in Chemical Pathology and Pharmacology. (1992)
77(1), 95-106

Disclaimer :

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