SAFETY DATA SHEET
for
AMLACTIN MOISTURIZING BODY LOTION

1. Identification

Product Name:	AmLactin Moisturizing Body Lotion
Synonyms:	Ammonium Lactate
CAS Number:	Mixture
Product Use:	Skin Moisturizer
Manufacturer/Supplier:	Upsher-Smith Laboratories, Inc.
Address:	6701 Evenstad Drive, Maple Grove, MN 55369
General Information:	1 - (763)-315-2000; 1-(800)-654-2299

2. Hazards Identification

GHS Classification:

Health	Environmental	Physical
Acute Toxicity: Not classified[1] Skin Corrosion: Not classified Eye Corrosion: Category 2B Skin Sensitization: Not available Carcinogenicity: Not classified Reproductive/Developmental: Not classified Target Organ Toxicity (Repeated): N/A	Not classified	Not classified

GHS Label:

Symbols:

Hazard Statements	Precautionary Statements
May cause slight skin irritation. May cause moderate irritation, redness, tearing, swelling and pain if the eye is exposed. May cause a burning sensation in the mouth, irritation of buccal, esophageal and gastric mucosa, nausea, vomiting and abdominal pain if ingested.	Do not eat or drink in areas where ammonium lactate or a solution containing ammonium lactate is handled, processed, or stored.

[1] 23% of the mixture consists of ingredients with unknown acute oral toxicity

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Deionized Water	7732-18-5	> 50
Ammonium Lactate	515-98-0	< 20
Mineral Oil # 7	8012-95-1	10.0
Glyceryl Stearate PEG-100	57-11-4	5
Propylene Glycol	57-55-6	5
Glycerin 99.5% USP	56-81-5	4
Magnesium Aluminum Silictate	12511-31-8	< 2
Laureth-4	5274-88-0	< 2
PEG-40 Stearate	9004-99-3	< 2
All other ingredients (< 1% each)	-	-

4. First Aid Measures

Eye: In case of eye contact, flush with copious amounts of water for at least 15 minutes. Hold eyelids away from eyeball to ensure thorough rinsing. Seek medical attention immediately.

Skin: If redness, dryness or other signs of irritation develop, wash the affected area with plenty of warm water and soap. If irritation persists, seek medical attention immediately.

Inhalation: In the final form, not a likely route of exposure. However, in case of inhalation, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, administer oxygen. Seek medical attention immediately.

Ingestion: In case of accidental ingestion, give the victim several glasses of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Do not force an unconscious or convulsing person to drink liquids or to vomit. Seek medical attention immediately.

5. Fire Fighting Measures

Suitable Extinguishing Media: Use an appropriate media including water spray, dry powder, foam, carbon dioxide.

Firefighting Procedures: Wear self-contained breathing apparatus and personal protective equipment to prevent contact with skin and eyes.

Unusual Fire and Not applicable

Explosion Hazards

Combustion Products When heated to decomposition it emits toxic gases (such as carbon monoxide) and fumes may be released in a fire involving ammonium lactate.

6. Accidental Release Measures

Spill Response

Instructions:

The following spill response instructions only apply to bulk quantities of the material. Report emergency situations immediately. Non-essential personnel should be evacuated from the affected area. Spills should be cleaned up in a manner that minimizes exposure to personnel. Personnel involved in the clean up of spills should wear the appropriate respiratory protection, gloves, eye protection, and protective coveralls. Remove all sources of heat and ignition. Cover spill with absorbent material and collect for disposal. Ventilate the area and clean spill area thoroughly with soap and water. Collect wash with absorbent material and transfer all waste to a labeled container for disposal. Observe all applicable regulations when disposing of this substance.

7. Handling and Storage

General Handling

In a manufacturing setting or other situation where exposure to aerosols may occur, appropriate personal protective equipment, including respiratory protection, must be worn. Use good personal hygiene – wash hands and exposed skin thoroughly with soap and water after use. Remove any contaminated clothing and clean before reuse. Destroy contaminated belts and shoes and other items that cannot be decontaminated.

Keep away from heat and flame. Keep operating temperatures below ignition temperatures at all times. Use non-sparking tools.

Storage

When not in use, store in a cool, dry, well-ventilated area, in tightly sealed containers that are labeled in accordance with OSHA's Hazard Communication Standard [29 CFR 1910.1200]. Keep away from ignition sources including electrostatic charge, heat, sparks, open flame, and strong oxidizers. In case of insufficient ventilation, wear suitable respiratory protection. Keep this product out of the reach of children. Protect from physical damage. Do not cut, grind, or weld on or near containers unless precautions are taken against these hazards.

8. Exposure Controls / Personal Protection

Exposure Limits

Component Name	WEEL (TWA)	OSHA PEL (TWA)	ACGIH TLV (TWA)	NIOSH REL
Mineral Oil Light 70	N.E.	5 mg/m^3	10 mg/m^3	N.E.
Glycerin	N.E.	5 mg/m^3	5 mg/m^3	N.E.
Propylene Glycol	10 mg/m^3	N.E.	N.E.	N.E.

Engineering Controls: In a manufacturing setting, local exhaust ventilation may be necessary to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source. Provide mechanical ventilation for confined spaces. Use explosion-proof ventilation equipment.

Personal Protective Equipment (PPE)

In a manufacturing setting, the following personal protective equipment requirements apply:

Eye Protection: Wear chemical safety goggles, safety glasses or face shield. Have eyewash stations available where eye contact can occur.

Skin Protection: Avoid skin contact. Wear gloves impervious to conditions of use. Additional protection may be necessary to prevent skin contact including the use of an apron, face shield, boots, or full body protection. A safety shower should be located in the work area.

Respiratory Protection: If exposure limits are exceeded, approved respiratory protection should be worn. Seek professional assistance for proper selection of respiratory protection.

9. Physical and Chemical Properties

Flash Point: N/A
Autoignition Temperature: N/A
Boiling Point: N/A
Melting Point: N/A
Vapor Pressure: N/A
Vapor Density: N/A
% Solubility in Water: N/A
Pour Point: N/A
Molecular Formula: Mixture
Odor/Appearance: White to off-white cream with faint odor.

Lower Flammability Limit: N/A
Upper Flammability Limit: N/A
Specific Gravity: N/A
% Volatile: N/A
Evaporation Rate (Water=1): N/A
Viscosity: N/A
Octanol/Water Partition Coefficient: N/A
pH: N/A
Molecular Weight: Mixture

10. Stability and Reactivity

Stability/Incompatibility: The mixture is stable under normal conditions of use.

11. Toxicology Information

Signs and Symptoms of Overexposure: In its final form, overexposure is unlikely. May cause slight irritation.

Eye Contact: May cause moderate irritation including redness, tearing, swelling and pain. Avoid contact with eyes.

Skin Contact: May cause slight irritation.

Inhalation: In the final form, not a likely route of exposure. However, in case of inhalation, respiratory tract irritation may occur.

Ingestion: May result in burning sensation of the mouth, irritation of buccal, esophageal and gastric mucosa, nausea, vomiting and abdominal pain.

Target Organ Effects: There are no target organ effects associated with this mixture.

Chronic Effects: No chronic effects have been determined for this mixture.

Acute Toxicity Values:
LD50 (rat oral) = >15 mL/kg (for ammonium lactate)

12. Ecological Information

Ecological impact data has not been determined for this mixture.

13. Disposal Considerations

Disposal Procedure: Must dispose of in accordance with all local, state, and federal regulations.

14. Transportation Information

U. S. Department of Transportation (DOT)
Proper Shipping Name: N/A
Hazard Class: N/A
UN/NA Number: N/A
Packing Group: N/A
Labels Required: N/A

International Maritime Organization (MDG)
Proper Shipping Name: N/A
Hazard Class: N/A
UN/NA: N/A
Packing Group: N/A
Labels Required: N/A

15. Regulatory Information

U. S. Federal Regulations
Not regulated.

Toxic Substance Control Act (TSCA): Ammonium lactate is included on the TSCA inventory.

Clean Water Act (CWA): Ammonium lactate is not listed in the Clean Water Act.

Clean Air Act (CAA): Ammonium lactate is not listed under the Clean Air Act.

Superfund Amendments and Reauthorization Act (SARA) Title III Information: Ammonium lactate is not listed under SARA.

State Regulations

California: This product does not contain chemical(s) known to the State of California to cause cancer, birth defects or reproductive harm.

Canadian Environmental Protection Act: None of the compounds in this mixture are listed on the Canadian Domestic Substances list (DSL).

Canadian Workplace Hazardous Materials Information System (WHMIS):
This product in not controlled by the WHMIS.

European Inventory of Existing Chemicals (EINECS): Thirteen components contained in this product (mineral oil, petrolatum, emulsifying wax, stearic acid, propylparaben, glycerin, xanthan gum, water, propylene glycol, Methylparaben, ammonium lactate, sodium lactate and potassium lactate) are included on the European Inventory of Existing Commercial Chemical Substances.

EU Classification: Not regulated.
EU Risk (R) and Safety (S) Phrases:
R36/38: Irritating to eyes and skin

16. Other Information

National Fire Protection Association (NFPA) Warnings

Health: 2	**Flammability: 1**	**Reactivity: 0**	**Other: 0**

Creation Date:	**12/16/2008**	**Revision Date:**	**03/05/2013**

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