

MATERIAL SAFETY DATA SHEET

**AMMONIUM LACTATE 12% LOTION**

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Date prepared: February 6, 2002 By: Eric Randall

**SECTION 1 - PRODUCT IDENTIFICATION AND HAZARDOUS COMPONENTS**

PRODUCT NAME: LAC lotion

SYNONYMS: Ammonium Lactate 12% Lotion

MOLECULAR FORMULA: Mixture MOLECULAR WEIGHT: N/A

CHEMICAL NAME: N/A CHEMICAL FAMILY: Ammonium salt of alpha-hydroxy acid.

<u>INGREDIENT (CAS NUMBER)</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Ammonium Lactate (515-98-0)	12	N/A	N/A
Strong Ammonium Solution	>1	N/A	N/A
Water (7732-18-5)	>1	N/A	N/A
Mineral Oil (8012-95-1)	>1	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Glyceryl Stearate, SE (31566-31-1) >1	>1	N/A	N/A
Polyoxyl 40 Stearate	>1	N/A	N/A
Polyoxyethylene 4 Laurel Ether	>1	N/A	N/A
Propylene Glycol (57-55-6)	>1	N/A	N/A
PEG-40 Stearate	>1	N/A	N/A
Glycerin (56-81-5)	>1	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Mag. Aluminum Silicate (12199-37-0)	>1	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>

Other ingredients not listed above are considered not hazardous and are present at a concentration of less than 1%.

**SECTION 2 - PHYSICAL AND CHEMICAL CHARACTERISTICS**

BOILING POINT: N/A

VAPOR PRESSURE: N/A

MELTING POINT: N/A

VAPOR DENSITY: N/A

SPECIFIC GRAVITY: Not Available  
(WATER = 1)

EVAPORATION RATE: N/A  
(BUTYL ACETATE = 1)

WATER SOLUBILITY: Soluble

WATER REACTIVE: No

PH: 4.5 – 5.5

APPEARANCE AND ODOR: White to off-white cream with a faint odor.

### SECTION 3 - FIRE AND EXPLOSION DATA

FLASH POINT (METHOD): N/A

NFPA RATING: N/A

AUTOIGNITION TEMPERATURE: N/A

FLAMMABLE LIMITS: LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: Water spray, carbon dioxide, dry chemical, or foam as appropriate for surrounding fire conditions and materials.

SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should wear full protective gear including self-contained breathing apparatus (SCBA).

UNUSUAL FIRE AND EXPLOSION HAZARDS: When heated to decomposition, material emits carbon monoxide, carbon dioxide, trace magnesium oxides and aluminum oxides.

### SECTION 4 - REACTIVITY HAZARD DATA

STABILITY: Stable ( X ) Unstable ( )

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid extreme heat and open flames.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, trace magnesium oxides and aluminum oxides.

HAZARDOUS POLYMERIZATION: May Occur ( ) Will Not Occur ( X )

### SECTION 5 - HEALTH HAZARD DATA

TOXICITY: No specific toxicity data available for this product.

LD<sub>50</sub> oral rat: >15 mls/kg

LD<sub>50</sub> oral mouse: >15 mls/kg

Reproductive Effects Data [RTECS]: No data available.

CARCINOGEN LISTED BY:

NTP	Yes ( )	No ( X )
IARC	Yes ( )	No ( X )
OSHA	Yes ( )	No ( X )
Other	Yes ( )	No ( X )

**SIGNS AND SYMPTOMS OF OVEREXPOSURE:**

**INHALATION:** No adverse effects expected under normal conditions of use.

**EYE CONTACT:** Will cause slight to moderate irritation, including redness, tearing, swelling or pain.

**SKIN CONTACT:** May cause slight irritation.

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

**CHRONIC EFFECTS OF OVEREXPOSURE:** Ammonium Lactate 12% Lotion has not been evaluated for carcinogenicity, reproductive effects or teratogenicity.

**MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:** Existing allergies to ingredients in this product may become aggravated.

**OTHER PRECAUTIONS TO CONSIDER:** None.

**EMERGENCY FIRST AID PROCEDURES:**

**INHALATION:** Remove exposed person to fresh air. If person is not breathing, give artificial respiration. If breathing is difficult, administer oxygen. Seek medical attention.

**EYE CONTACT:** Flush with copious amounts of water. Seek medical attention.

**SKIN CONTACT:** Remove contaminated clothing. Wash skin thoroughly with soap and water. Seek medical attention.

**INGESTION:** Seek immediate medical attention.

<b>SECTION 6 - CONTROL AND PROTECTIVE MEASURES</b>
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**RESPIRATORY PROTECTION:** No special respiratory protection required under normal conditions of use.

**PROTECTIVE GLOVES:** No special protection required under normal conditions of use.

**EYE PROTECTION:** No special protection required under normal conditions of use, however, prudence indicates that safety glasses or goggles be worn to avoid incidental eye contact.

**VENTILATION:** No special ventilation required under normal conditions of use.

**OTHER PROTECTIVE EQUIPMENT:** No special protective equipment required under normal conditions of use.

**HYGIENIC WORK PRACTICES:** Wash thoroughly after handling and wash contaminated clothing before reuse.

## **SECTION 7 - HANDLING AND STORAGE PRECAUTIONS**

**HANDLING PRECAUTIONS:** Avoid contact with eyes, skin or clothing. Avoid extreme heat and open flames.

**STORAGE PRECAUTIONS:** Store product at room temperature. Avoid elevated temperatures.

## **SECTION 8 - SPILL AND DISPOSAL PROCEDURES**

**STEPS TO BE TAKEN IN CASE OF SPILL OR DISCHARGE:** Wearing suitable eye and hand protection, absorb lotion onto appropriate absorbent material and place in a container for disposal.

**WASTE DISPOSAL METHOD:** Dispose of in accordance with all applicable local, state, federal, and environmental regulations.

## **SECTION 9 - DISCLAIMER**

The information contained in this Material Safety Data Sheet has been compiled from reliable sources and is believed to be correct as of the date issued. It is the responsibility of the user to determine the appropriateness and applicability to their situation. Paddock Laboratories, Inc. disclaims any expressed or implied warranty as to the accuracy of the above information and shall not be held liable for any direct, incidental, or consequential damages from use or reliance on the above information.

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### **DEFINITIONS OF ABBREVIATIONS USED:**

ACGIH: American Conference of Governmental Industrial Hygienists  
CAS: Chemical Abstract Service  
IARC: Internal Agency for Research on Cancer

IDLH: Immediately Dangerous to Life or Health level  
LC<sub>50</sub>: Median Lethal Concentration  
LD<sub>50</sub>: Median Lethal Dose  
MSHA: Mine Safety and Health Administration  
N/A: Not available  
NIOSH: National Institute for Occupational Safety and Health  
NTP: National Toxicology Program  
OSHA: Occupational Safety and Health Administration  
PEL: Permissible Exposure Limit  
STEL: Short Term Exposure Limit  
TLV: Threshold Limit Value  
TWA: Time Weighted Average