

# MATERIAL SAFETY DATA SHEET

## **Ammonium Lactate Cream, 12%**

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### **SECTION 1: PRODUCT IDENTIFICATION**

PRODUCT NAME: Ammonium Lactate Cream, 12%  
COMMON NAME: Ammonium Lactate Cream  
CHEMICAL FORMULA: 2-hydroxypropanoic acid  
CHEMICAL FAMILY: Ammonium salt of alpha-hydroxy acid

### **SECTION 2: COMPOSITION AND INGREDIENTS**

CHEMICAL NAME	CAS#	%	OSHA PEL	ACGIH TLV
Ammonium Lactate	515-98-0	12	NA	NA
Strong Ammonium Solution	NA	>1	NA	NA
Water	7732-18-5	>1	NA	NA
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	NA	NA
Polyoxyl 40 Stearate		>1	NA	NA
Polyoxyethylene 4 Laurel Ether		>1	NA	NA
Propylene Glycol	57-55-6	>1	NA	NA
PEG-40 Stearate		>1	NA	NA
Glycerin	56-81-5	>1	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Magnesium 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%.

<b>SECTION 3: HAZARDS IDENTIFICATION</b>
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**EMERGENCY OVERVIEW: No occupational hazard labels have been assigned to this material.**

Routes of Entry:	Inhalation:	Unlikely
	Absorption:	Possible
	Ingestion:	Possible

Signs and symptoms of overexposure:

Skin Exposure:	May cause slight irritation.
Eye Exposure:	Will cause slight to moderate irritation including redness, tearing, swelling, and pain.
Inhalation:	No adverse effects expected under normal conditions of use.
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 Cream, 12% 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.

<b>SECTION 4: FIRST AID MEASURES</b>
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Skin Exposure:	Remove contaminated clothing. Wash skin thoroughly with soap and water. Seek medical attention.
Eye Exposure:	Flush with copious amounts of water. Seek medical attention.
Inhalation:	Remove victim to fresh air. Seek medical attention.
Ingestion:	Seek immediate medical attention.

<b>SECTION 5: FIRE / EXPLOSION HAZARDS AND FIRE-FIGHTING MEASURES</b>
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Flash Point (Method Used):	NA	Autoignition:	NA
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Flammable Limits:	Lower: NA	Upper: NA
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Fire Extinguishing Equipment: Use extinguishing agent suitable for type of surrounding fire.

Water Spray:	OK	Carbon Dioxide:	OK
Foam:	OK	Dry Chemical:	OK

Fire and Explosion Hazards:	Minimal fire hazard under normal conditions of use.
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Combustion Products:	When heated to decomposition, material emits carbon monoxide, carbon dioxide, trace magnesium oxides, and aluminum oxides.
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**Special Fire Fighting Procedures:** For fires beyond the incipient stage, emergency responders in the immediate hazard area should wear bunker gear. When the potential chemical hazard is unknown, in enclosed or confined spaces, or when explicitly required by the DOT *Emergency Response Guidebook*, a self-contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8). Isolate immediate hazard area and keep unauthorized personnel out. Move undamaged containers from immediate hazard area if it can be done with minimal risk. Cool equipment exposed to fire with water, if it can be done with minimal risk. Small fires in the beginning stages may be extinguished with portable, hand-held fire extinguishers. Avoid exposure to the material, injury from broken containers, and inhalation of smoke. Larger fires require the assistance of professional firefighters.

## SECTION 6: SPILL AND LEAK PROCEDURES

**Spill and Leak Response:** Clean up crews must wear appropriate protective equipment including respiratory, skin, and eye/face protection. Confine the spill and remove incompatible materials and ignition sources. Isolate the area to keep out unnecessary and unprotected personnel. Provide adequate ventilation and absorb liquid with an inert material (i.e. dry sand or vermiculite). Place waste in an appropriate container for disposal. Use care in clean up to prevent exposure to the material and injury from broken containers. Wash all contaminated surfaces with soap and water.

**Release to Water:** Refer to local water authority. Comply with local, state, and federal regulations.

## SECTION 7: HANDLING AND STORAGE

**Work and Hygiene Practices:** As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash hands before eating, drinking, smoking or using toilet facilities. Wear safety glasses. For larger spills, additional PPE and respiratory protection may be needed such as chemical protective coveralls, boots, and gloves (neoprene/nitrile).

**Other precautions:** Store product at room temperature. Avoid elevated temperatures, extreme heat, and open flames.

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Ventilation and Engineering Controls:** Handle in a well-ventilated area. No special ventilation required under normal conditions of use.

**Respiratory Protection:** Under normal use, respirators are not required. For large spills, a respirator may be required. Personnel wearing respirators should be fit tested and approved for respirator use under the OSHA Respiratory Protection Standard 29 CFR 1910.134.

Eye / Face Protection:	No face protection required under normal conditions of use. Although the risk from eye exposure is minimal, prudence recommends the use of safety glasses.
Skin Protection:	No skin protection is required under normal conditions of use.
Product Preparation Instructions for Medical Personnel:	Follow standard procedure for handling pharmaceutical materials and recommendations presented on the Package Insert.

Manufacturing or dust/mist-producing operations may require the use of engineering controls or personal protective equipment to minimize exposure to this material and/or ingredients. If unusual exposures are expected, an industrial hygiene review of work practices and engineering controls is recommended.

Personal protective equipment (PPE) listed above represents the minimum recommended protection. It is the responsibility of the local supervisor or safety administrator to ensure that adequate engineering controls, PPE, and handling procedures are being used.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	NA	Vapor Pressure:	NA
Specific Gravity: (Water = 1)	NA	Evaporation Rate: (Butyl Acetate = 1)	NA
Water Solubility:	Soluble	Water Reactive:	No
pH:	4.5 - 5.5		
Appearance:	White to off-white cream with a faint odor.		

### SECTION 10: STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of use.
Incompatible Materials:	Avoid extreme heat and open flames.
Hazardous Polymerization:	Will not occur under normal conditions of use.
Conditions to Avoid:	Keep away from incompatible materials, ignition sources and heat.
Hazardous decomposition:	When heated to decomposition, material emits carbon monoxide, carbon dioxide, trace magnesium oxides and aluminum oxides.

### SECTION 11: TOXICOLOGICAL INFORMATION

Toxicity Data:	There is no specific toxicity data available for this product. LD <sub>50</sub> (oral rat) >15 mL / kg LD <sub>50</sub> (oral mouse) >15 mL / kg
Suspected Cancer Agent:	This product has <b>NOT</b> been identified as a carcinogen by NTP, IARC or OSHA.

Irritancy of Product: During normal use of product no eye contact should occur.

Sensitization to the Product: Not Known.

Reproductive Toxicity Information: Pregnancy category C

Animal studies have not been conducted with Ammonium Lactate Cream, 12%. It is not known whether Ammonium Lactate Cream, 12% can cause fetal harm when administered to a pregnant woman or can affect reproduction capacity. Ammonium Lactate Cream, 12% should be given to a pregnant woman only if clearly needed.

Mutagenicity: ND

ACGIH Biological Exposure Indices: Currently there are no Biological Exposure Indices associated with the components of this product.

## SECTION 12: ECOLOGICAL INFORMATION

All work practices must be aimed at eliminating environmental contamination.

Environmental Stability: ND

Effect of Materials on Plants,  
Animals, and Aquatic Life: ND

## SECTION 13: WASTE DISPOSAL

Preparing Wastes for Disposal: Dispose of material according to federal, state, and local disposal regulations or company operating procedures. Disposal by incineration is recommended.

U.S. EPA Waste Number: None

## SECTION 14: TRANSPORTATION INFORMATION

This Material is not Hazardous as Defined by 49 CFR 172.101 by the U. S. Department of Transportation. This material is not regulated by the United States Department of Transportation (DOT). Ship according to state and local regulations, if applicable.

Proper Shipping Name: NA

Hazard Class Number and Description: NA

UN Identification Number: NA

Packing Group: NA

DOT Label(s) Required:	NA
North American Emergency Response Guidebook Number (1996):	NA
MARINE POLLUTANT:	No component of this product is listed as a Marine Pollutant (49 CFR 172.101, Appendix B)
Transport Canada Transportation of Dangerous Goods Regulations:	NA

### SECTION 15: REGULATORY INFORMATION

#### U.S. REGULATIONS:

U.S. SARA Reporting Requirements:	311/312 Hazard Categories: Immediate Health, 313 Reportable Ingredients: None
U.S. SARA Threshold Planning Quantity:	NA
U.S. CERCLA Reportable Quantities (RQ):	NA
U.S. TSCA Inventory Status:	NA
California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):	This product does NOT contain a chemical known to the State of California to cause developmental and reproductive effects.

Available information does not classify this material as hazardous under the regulations of any occupational or environmental health and safety agencies.

### SECTION 16: OTHER INFORMATION

Available information does not classify this material as hazardous under the regulations of any occupational or environmental health and safety agencies.

#### Definitions Of Abbreviations Used:

ACGIH:	American Conference of Governmental Industry Hygienists
CAS:	Chemical Abstract Service
IARC:	International Agency for Research on Cancer
IDLH:	Immediately Dangerous to Life or Health Level
LC <sub>50</sub> :	Medial Lethal Concentration
LD <sub>50</sub> :	Medial Lethal Dose
MSHA:	Mine Safety and Health Administration
NA:	Not Available
ND:	Not Determined
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

**SECTION 17: 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.