

**Safety Data Sheet**

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Section 1: Identification

Product Name Ammonium Lactate 70% Solution W/V
Commercial Name Ammonium-S-(-)-2-hydroxy propionate aqueous solution
Product Use Not available
Restrictions On Use Not available
Product Code 30-1767
Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Not available
CFR 1910.1200
Signal Word NON-HAZARDOUS
Hazard Statement(s) May cause eye/skin irritation.
Pictogram(s) or Symbol(s)

Precautionary Statement(s):

Prevention Not available
Response Not available
Storage Not available.
Disposal Not available

Section 3: Composition/Information on Ingredients

Substance/Mixture Mixture
Components Ammonium lactate, water
% By Weight Ammonium lactate:68-72%, Water:balance
CAS# Mixture
Molecular Weight 107
Chemical Formula Not applicable.
Synonym(s) Lactic acid ammonium salt, Purasal NH/COS

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Ammonium lactate	515-98-0	68-72	Not available.	Not available.
Water	7732-18-5	balance	Not available.	Not available.

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Section 4: First-Aid Measures

Inhalation	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms persist, call a physician.
Skin Contact	Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids. Get medical attention if irritation develops.
Ingestion	Drink plenty of water. Consult a physician if necessary.
Symptoms/Effects	
Acute	Not available
Delayed	Not available
Immediate Medical Attention	
Treat symptomatically.	

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**Carbon dioxide (CO₂). Dry chemical. Foam.**Unsuitable Extinguishing Media**

None.

Products of Combustion

Thermal decomposition can lead to release of irritating gases and vapors.

Firefighters Special Equipment and Precautions

As in any fire, wear self-contained breathing apparatus (pressure-demand, NIOSH approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

Personal precautions: Evacuate area of all unnecessary personnel. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Do not flush into surface water or sanitary sewer system. Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Dispose of promptly. Clean contaminated surface thoroughly.

Section 7: Handling and Storage

Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Storage: Keep container tightly closed in a dry and well-ventilated place.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Minimize exposure in accordance with good hygiene practice.
Engineering Controls	Ensure adequate ventilation, especially in confined areas.
Personal Protection	Eye protection: Safety glasses with side-shields. Skin and body protection: Lightweight protective clothing. Hand protection: Impervious gloves. Respiratory protection: Use NIOSH approved respirator when ventilation is inadequate.

Section 9: Physical and Chemical Properties

Appearance	Colorless to light liquid.		
Odor	Light Ammonia		
Odor Threshold	Not available		
Melting Point	Not available.	pH	4.8
Freezing Point	Not available	Vapor Pressure	Not available
Boiling Point/Range	101.6 (°C)	Vapor Density	Not available.
Decomposition temperature	Not available	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available	Evaporation Rate	Not available
Flash Point	Not applicable.	Autoignition temperature	Not available
Flammability	Not available	Flammability or Explosive Limits:	
		Lower	Not available
		Upper	Not available
Solubility(ies)	Soluble in water.		
Other	Not available.		

Section 10: Stability and Reactivity

Reactivity	Not available
Chemical Stability	Stable at normal conditions.
Hazardous Polymerization	Will not occur.
Conditions to Avoid	Exposure to moisture.
Incompatible Materials	Moist air or water.
Hazardous Decomposition Products	None under normal use.

Section 11: Toxicological Information

RTECS	Not applicable.
Acute Toxicity	Not available
Skin Corrosion/Irritation	Not available
Serious Eye Damage/Irritation	Not available
Respiratory or Skin Sensitization	Not available
Germ Cell Mutagenicity	Not available
Carcinogenicity	Not available
Reproductive Toxicity	Not available
Routes of Entry	Not available
Symptoms Related to Exposure	Not available

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Potential Health Effects

Not available.

Target Organ(s)

Not available

Section 12: Ecological Information**Ecotoxicity**

Not available

Persistence and Degradability

Not available

Bioaccumulative Potential

Not available

Mobility in Soil

Not available.

Other Adverse Effects

Not available

Section 13: Disposal Considerations**Waste Disposal**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Where possible recycling is preferred to disposal or incineration.

Disposal of Container

Not available

Other Considerations

Not available

Section 14: Transport Information**DOT Classification**

DOT Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information**Regulations**

TSCA: Not subject to TSCA 12(b) Export Notification SARA 313: Not subject to the provisions of SARA 313 Title III State Regulations This product or its ingredients have been evaluated for New Jersey, Pennsylvania, and California Prop 65 supplier notification requirements. Substances that are subject to notification requirements, if any, are listed below. Canadian WHMIS WHMIS hazard class: Non-controlled Canadian Ingredient Disclosure List (IDL): Not Listed. International Inventories TSCA 8(b): Listed or exempt. Canadian DSL: Listed or exempt. EC-No. Listed or exempt. Philippines (PICCS): One or more ingredient(s) are not on the PICCS list. Japan (ENCS): Listed or exempt. Korea (KECL): Listed. China (IECS): Listed. Australia (AICS): Listed. New Zealand (NZLoC) Listed.

Other

Not available.

Section 16: Other Information

NFPA Ratings (Scale 0-4): 2(health)-0(flammability)-0(reactivity) HMIS Rating: 0(health)-0(flammability)-0(reactivity)A (protective equipment) Further information on the safety assessment of Potassium Lactate and lactic acid can be obtained in a CFTA Report of June 6th 1997. Additional data on the calculated ecotoxicity of lactic acid and its salts and esters can be obtained in a report entitled 'The ecotoxicity and biodegradability of lactic acid, alkyl lactate esters and lactic acid salts' by Bowmer et al. (Reference: Chemosphere 37:1317-1333 (1998)) This information only concerns the above mentioned product and is not valid if the product is used with other product(s) or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product. # Indicates updated section.