



# Material Safety Data Sheet

<b>NFPA</b>  	<b>HMS</b>  <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #00FFFF;">Health Hazard</td> <td style="text-align: center; border: 1px solid black;">2</td> </tr> <tr> <td style="background-color: #FFC0CB;">Fire Hazard</td> <td style="text-align: center; border: 1px solid black;">0</td> </tr> <tr> <td style="background-color: #FFFF00;">Reactivity</td> <td style="text-align: center; border: 1px solid black;">0</td> </tr> </table>	Health Hazard	2	Fire Hazard	0	Reactivity	0	<b>Personal Protective Equipment</b>    See Section 15.
Health Hazard	2							
Fire Hazard	0							
Reactivity	0							

<b>Section 1. Chemical Product and Company Identification</b>		<i>Page Number: 1</i>
<b>Common Name/ Trade Name</b>	<b>Ammonium Acetate TS</b>	
<b>Manufacturer</b>	SPECTRUM LABORATORY PRODUCTS INC. 14422 S. SAN PEDRO STREET GARDENA, CA 90248	
<b>Commercial Name(s)</b>	Not available.	
<b>Synonym</b>	Not available.	
<b>Chemical Name</b>	Not applicable.	
<b>Chemical Family</b>	Not available.	
<b>Chemical Formula</b>	Not applicable.	
<b>Supplier</b>	SPECTRUM LABORATORY PRODUCTS INC. 14422 S. SAN PEDRO STREET GARDENA, CA 90248	
	<b>Catalog Number(s).</b>	A-299
	<b>CAS#</b>	Mixture.
	<b>RTECS</b>	Not applicable.
	<b>TSCA</b>	TSCA 8(b) inventory: Water, Ammonium acetate
	<b>CI#</b>	Not available.
<b>IN CASE OF EMERGENCY</b> <a href="tel:800-424-9300">CHEMTREC (24hr) 800-424-9300</a>  CALL (310) 516-8000		

<b>Section 2. Composition and Information on Ingredients</b>					
			<i>Exposure Limits</i>		
<b>Name</b>	<b>CAS #</b>	<b>TWA (mg/m<sup>3</sup>)</b>	<b>STEL (mg/m<sup>3</sup>)</b>	<b>CEIL (mg/m<sup>3</sup>)</b>	<b>% by Weight</b>
1) Water	7732-18-5				90
2) Ammonium acetate	631-61-8				10
<b>Toxicological Data on Ingredients</b>					
<b>Ammonium acetate</b> LD50: Not available. LC50: Not available.					

<b>Section 3. Hazards Identification</b>	
<b>Potential Acute Health Effects</b>	Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.
<b>Potential Chronic Health Effects</b>	<b>CARCINOGENIC EFFECTS:</b> Not available. <b>MUTAGENIC EFFECTS:</b> Not available. <b>TERATOGENIC EFFECTS:</b> Not available. <b>DEVELOPMENTAL TOXICITY:</b> Not available. The substance may be toxic to lungs, upper respiratory tract. Repeated or prolonged exposure to the substance can produce target organs damage.

**Section 4. First Aid Measures**

<b>Eye Contact</b>	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.
<b>Skin Contact</b>	In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
<b>Serious Skin Contact</b>	Not available.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Serious Inhalation</b>	Not available.
<b>Ingestion</b>	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
<b>Serious Ingestion</b>	Not available.

**Section 5. Fire and Explosion Data**

<b>Flammability of the Product</b>	Non-flammable.
<b>Auto-Ignition Temperature</b>	Not applicable.
<b>Flash Points</b>	Not applicable.
<b>Flammable Limits</b>	Not applicable.
<b>Products of Combustion</b>	Not available.
<b>Fire Hazards in Presence of Various Substances</b>	Not applicable.
<b>Explosion Hazards in Presence of Various Substances</b>	Non-explosive in presence of open flames and sparks, of shocks.
<b>Fire Fighting Media and Instructions</b>	Not applicable.
<b>Special Remarks on Fire Hazards</b>	Not available.
<b>Special Remarks on Explosion Hazards</b>	Not available.

**Section 6. Accidental Release Measures**

<b>Small Spill</b>	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
<b>Large Spill</b>	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

**Section 7. Handling and Storage**

<b>Precautions</b>	No specific safety phrase has been found applicable for this product.
<b>Storage</b>	Keep container tightly closed. Keep container in a cool, well-ventilated area.

**Section 8. Exposure Controls/Personal Protection**

<b>Engineering Controls</b>	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.
<b>Personal Protection</b>	Safety glasses. Synthetic apron. Gloves (impervious). Respiratory protection is not necessary for normal handling. Adequate general (room) ventilation or local exhaust (fume hood) is sufficient. Use a vapor respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapor, inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent.
<b>Personal Protection in Case of a Large Spill</b>	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
<b>Exposure Limits</b>	Not available.

**Section 9. Physical and Chemical Properties**

<b>Physical state and appearance</b>	Liquid.	<b>Odor</b>	Acetic acid (vinegar) (Slight.)
<b>Molecular Weight</b>	Not applicable.	<b>Taste</b>	Not available.
<b>pH (1% soln/water)</b>	Not available	<b>Color</b>	Clear Colorless
<b>Boiling Point</b>	The lowest known value is 100°C (212°F) (Water).		
<b>Melting Point</b>	Not available.		
<b>Critical Temperature</b>	Not available.		
<b>Specific Gravity</b>	1.02 (Water = 1)		
<b>Vapor Pressure</b>	The highest known value is 2.3 kPa (@ 20°C) (Water) .		
<b>Vapor Density</b>	The highest known value is 0.62 (Air = 1) (Water).		
<b>Volatility</b>	Not available.		
<b>Odor Threshold</b>	Not available.		
<b>Water/Oil Dist. Coeff.</b>	Not available.		
<b>Ionicity (in Water)</b>	Not available.		
<b>Dispersion Properties</b>	See solubility in water, methanol, acetone.		
<b>Solubility</b>	Easily soluble in cold water. Partially soluble in methanol, acetone.		

**Section 10. Stability and Reactivity Data**

<b>Stability</b>	The product is stable.
<b>Instability Temperature</b>	Not available.
<b>Conditions of Instability</b>	Incompatible materials
<b>Incompatibility with various substances</b>	Slightly reactive to reactive with oxidizing agents, acids

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**Corrosivity** Non-corrosive in presence of glass.

**Special Remarks on Reactivity** Deliquescent; Tends to lose ammonia.  
Incompatible with strong oxidizers such as sodium hypochlorite, peroxides, potassium chlorate, sodium nitrite. (Ammonium acetate)

**Special Remarks on Corrosivity** Not available.

**Polymerization** Will not occur.

### Section 11. Toxicological Information

**Routes of Entry** Skin contact. Eye contact.

**Toxicity to Animals** LD50: Not available.  
LC50: Not available.

**Chronic Effects on Humans** Contains material which may cause damage to the following organs: lungs, upper respiratory tract.

**Other Toxic Effects on Humans** Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

**Special Remarks on Toxicity to Animals** LD50 [Rat] - Route: Intraperitoneal; Dose: 632/mg/kg.  
LDL [Mouse] - Route: Intravenous; Dose: 386 mg/kg (Ammonium acetate)

**Special Remarks on Chronic Effects on Humans** Not available.

**Special Remarks on other Toxic Effects on Humans** Acute Potential Health Effects  
Skin: Can cause slight skin irritation.  
Eyes: Can cause slight eye irritation.  
Ingestion: May cause irritation of the gastrointestinal tract with generalized discomfort, diarrhea, nausea, vomiting abdominal pain. With ingestion of large doses of ammonium acetate, there arises the possibility of sufficient absorption to produce diuresis and systemic ammonia poisoning. May also affect behavior/central nervous system (tremor, anxiety, impairment of motor performance or recognition, flaccidity of facial muscles) and respiratory system (dyspnea).  
Inhalation: Inhalation of mist or vapor may irritate the respiratory tract (nose, throat, lungs) with symptoms of coughing, wheezing, and/or shortness of breath.  
Chronic Potential Health Effects  
Ingestion: Prolonged or repeated ingestion of large amounts of Ammonium Acetate may cause some liver dysfunction, and may affect the brain, behavior/central nervous system with symptoms similar to that of acute ingestion.  
Inhalation: Prolonged or repeated exposure may irritate the lungs. It may also cause bronchitis to develop with cough, phlegm, and/or shortness of breath.

### Section 12. Ecological Information

**Ecotoxicity** Not available.

**BOD5 and COD** Not available.

**Products of Biodegradation** Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation** The product itself and its products of degradation are not toxic.

**Special Remarks on the Products of Biodegradation** Not available.

**Section 13. Disposal Considerations**

**Waste Disposal** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**Section 14. Transport Information**

**DOT Classification** Not a DOT controlled material (United States).

**Identification** Not applicable.

**Special Provisions for Transport** Not applicable.

**DOT (Pictograms)**



**Section 15. Other Regulatory Information and Pictograms**

**Federal and State Regulations**  
 Connecticut hazardous material survey.: Ammonium acetate  
 Illinois chemical safety act: Ammonium acetate  
 New York release reporting list: Ammonium acetate  
 Pennsylvania RTK: Ammonium acetate  
 Massachusetts RTK: Ammonium acetate  
 Massachusetts spill list: Ammonium acetate  
 New Jersey: Ammonium acetate  
 New Jersey spill list: Ammonium acetate  
 Louisiana spill reporting: Ammonium acetate  
 TSCA 8(b) inventory: Water; Ammonium acetate  
 CERCLA: Hazardous substances: Ammonium acetate: 5000 lbs. (2268 kg);

**California Proposition 65 Warnings**  
 California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: No products were found.  
 California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: No products were found.

**Other Regulations** Not available

**Other Classifications**


**WHMIS (Canada)** CLASS D-2B: Material causing other toxic effects (TOXIC).

**DSCL (EEC)** R36/38- Irritating to eyes and skin. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S37- Wear suitable gloves.

**HMS (U.S.A.)**

Health Hazard	2
Fire Hazard	0
Reactivity	0
Personal Protection	C

**National Fire Protection Association (U.S.A.)**

Health  Flammability  
 Reactivity  
 Specific hazard

**WHMIS (Canada) (Pictograms)**



DSCL (Europe)  
(Pictograms)



TDG (Canada)  
(Pictograms)



ADR (Europe)  
(Pictograms)



### Protective Equipment



Gloves (impervious).



Synthetic apron.



Wear appropriate respirator when ventilation is inadequate.

Safety glasses

## Section 16. Other Information

MSDS Code A299S

References Not available.

Other Special Considerations Not available.

Validated by Sonia Owen on 9/12/2008.

Verified by Sonia Owen.

Printed 9/22/2008.

CALL (310) 516-8000

### Notice to Reader

*All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.*