



## SAFETY DATA SHEET

(according to (EC) 1907/2006)

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier **Ammonium Acetate**

**Synonyms:** Acetic Acid, Ammonium Salt

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Not available.

#### 1.3. Details of the supplier of the safety data sheet

**Manufacturer Information:** Vertellus Health & Specialty  
Products LLC, P.O. Box 730,  
Delaware Water Gap, PA 18327  
USA

**Non-Emergency Fax Number:**  
**E-Mail Address:**

570-421-9012  
msds@vertellus.com

**Non-Emergency Phone Number:** 800-344-3426

#### 1.4. Emergency telephone number

Vertellus: 800-344-3426  
CHEMTREC (USA): (800) 424-9300  
(collect calls accepted); (Int'l): (703) 527-3887  
(collect calls accepted; 011 prefix not needed)

### SECTION 2: Hazards identification

HMIS Rating	
HEALTH	2
FLAMMABILITY	1
REACTIVITY	0

#### 2.1. Classification of the substance or mixture

(According to Regulation (EC) No 1272/2008)

Serious Eye Damage/Eye Irritation Category 2

**Signal Word:**  
Warning

**Hazard Precautions:**  
H319 - Causes serious eye irritation.

#### 2.2. Label elements

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Hazard Symbols (Pictogram):



**Prevention Precautions:**

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P264 - Wash hands thoroughly after handling.

**First Aid Precautions:**

P337+P313 - If eye irritation persists: Get medical advice/attention.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Storage Precautions:**

Not required.

**Disposal Precautions:**

Not required.

**Single Exposure Target Organs:**

Not applicable

**Repeated Exposure Target Organs:**

Not applicable

(According to Directive 67/548/EEC)

Symbol: Xi

Risk Phrases: R36: Irritating to the eyes.

Safety Phrases: S24/25: Avoid contact with skin and eyes.  
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

### 2.3. Other hazards

**Signs and Symptoms of Potential Overexposure:** May cause skin irritation. Have a trained medical professional induce vomiting immediately. Never give anything by mouth to an unconscious person. Remove to fresh air. Can cause eye irritation, including redness and tearing. May be harmful if inhaled.

**Primary Route(s) of Exposure:** Skin contact and absorption, eye contact, ingestion, inhalation.

**Medical Conditions Aggravated by Exposure:** No data found

## SECTION 3: Composition/information on ingredients

### 3.1. Substances or 3.2. Mixtures

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Ingredient	CAS Number	Concentration (%)	EINECS / ELINCS	EU Symbol	Risk Phrases
Ammonium Acetate	631-61-8	97%	211-162-9	Xi	R36

**NOTE:** See Section 8 of this MSDS for exposure limit data for these ingredients.  
See Section 15 of this MSDS for trade secret information (where applicable).  
See Section 16 of this MSDS for the full text of the R-phrases above.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Skin Contact:</b>	Wash with soap and water. Get medical attention if irritation develops or persists.
<b>Eye Contact:</b>	Rinse eyes immediately with large amounts of water for at least 15 minutes, occasionally lifting the eyelids. GET MEDICAL ATTENTION.
<b>Inhalation:</b>	Remove from exposure. If not breathing, give artificial respiration and call a physician.
<b>Ingestion:</b>	If swallowed, do not induce vomiting. Get prompt medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

<b>Acute:</b>	May cause skin irritation. Have a trained medical professional induce vomiting immediately. Never give anything by mouth to an unconscious person. Remove to fresh air. Can cause eye irritation, including redness and tearing. May be harmful if inhaled.
<b>Delayed Effects:</b>	None known.

#### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Thermal Exposure:</b>	Not applicable.
<b>Note to Physician:</b>	No additional first aid information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Appropriate Extinguishing Media:** Carbon dioxide Dry chemical Alcohol foam Water spray

#### 5.2. Special hazards arising from the substance or mixture

<b>Hazardous Products of Combustion:</b>	None Known
<b>Potential for Dust Explosion:</b>	not available
<b>Special Flammability Hazards:</b>	Not applicable.

#### 5.3. Advice for firefighters

<b>Basic Fire Fighting Guidance:</b>	Evacuate area and fight fire from a safe distance. As in any fire, wear pressure-demand self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear. Can burn in fire releasing toxic vapors.
<b>Flammability Classification (OSHA):</b>	Not applicable.

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NFPA Rating



### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

<b>Evacuation Procedures:</b>	Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
<b>Special Instructions:</b>	Remove all contaminated clothing to prevent further absorption. Decontaminate affected personnel using the first aid procedures in Section 4. Leather shoes that have been saturated must be discarded.

#### 6.2. Environmental precautions

Prevent releases to soils, drains, sewers, and waterways.

#### 6.3. Methods and material for containment and cleaning up

<b>Containment Techniques and Clean-up Procedures:</b>	Scrub area with detergent and water. LARGE SPILLS: Shut off leak if safe to do so.
<b>Special Reporting Requirements:</b>	Not applicable.

#### 6.4. Reference to other sections

Refer to section 8 for information on selecting personal protective equipment. Refer to section 13 for information on spilled product, absorbent and clean up material disposal instructions.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

<b>Precautions for Unique Hazards:</b>	Not applicable.
<b>Practices to Minimize Risk:</b>	Wear appropriate protective equipment when performing maintenance on contaminated equipment. Wash hands thoroughly before eating or smoking after handling this material.
<b>Special Handling Equipment:</b>	Not applicable.

#### 7.2. Conditions for safe storage, including any incompatibilities

<b>Storage Precautions &amp; Recommendations:</b>	Keep container closed when not in use.
<b>Dangerous Incompatibility Reactions:</b>	Not available.
<b>Incompatibilities with Materials of Construction:</b>	none known

#### 7.3. Specific end use(s)

If a chemical safety assessment has been completed an exposure scenario is attached as an annex to this Safety Data Sheet. Refer to this annex for the specific exposure scenario control parameters for uses identified in subsection 1.2.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

**Exposure Limits (United States):**      **OSHA PEL:**      Not established      **ACGIH TLV:**      Not established

#### 8.2. Exposure controls

Also see the annex to this SDS (if applicable) for specific exposure scenario controls.

**Personal Protective Equipment:**      A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection. Use impervious gloves. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, the work atmosphere may be deficient of oxygen, or any other circumstances where air purifying respirators may not provide adequate protection, for example, when air purifying respirators have a short break-through time. Safety glasses or chemical goggles. Latex rubber gloves are recommended where contact is likely.

**Respirator Caution:**      Observe OSHA regulations for respirator use (29 CFR 1910.134). Air-purifying respirators must not be used in oxygen-deficient atmospheres.

**Ventilation:**      All operations should be conducted in well-ventilated conditions. Local exhaust ventilation should be provided.

**Other Engineering Controls:**      All appropriate engineering controls should be used to minimize exposure potential. Use exhaust ventilation to keep airborne concentrations below exposure limits. Use process enclosures to control the level of dust in the air.

**Thermal Hazards:**      Not applicable.

**Additive or Synergistic Effects:**      None known.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance, State &amp; Odor (ambient temperature):</b>	Deliquescent, colorless crystal Slightly acetous		
<b>Molecular Formula:</b>	Not available.	<b>Molecular Weight:</b>	77.08 g/mol
<b>Vapor Pressure:</b>	Not available.	<b>Evaporation Rate:</b>	Not available.
<b>Specific Gravity or Density:</b>	1.07000000	<b>Vapor Density (air = 1):</b>	Not available.
<b>Boiling Point:</b>	Not available.	<b>Freezing / Melting Point:</b>	Code: Not available.
<b>Solubility in Water:</b>	148g/100ml @ 39.2F	<b>Octanol / Water Coefficient:</b>	Not available.
<b>pH:</b>	Not available.	<b>Odor Threshold:</b>	Not available.
<b>Viscosity:</b>	Not available.	<b>Autoignition Temperature:</b>	Not available.
<b>Flash Point and Method:</b>	Not available. () (Not available.)	<b>Flammable Limits:</b>	Not available. (LEL) – Not available. (UEL)

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### 9.2. Other information

Not applicable.

## SECTION 10: Stability and reactivity

<u>10.1. Reactivity</u>	Not classified as dangerously reactive.
<u>10.2. Chemical stability</u>	Yes
<u>10.3. Possibility of hazardous reactions</u>	Not expected to occur.
<u>10.4. Conditions to avoid</u>	No data.
<u>10.5. Incompatible materials</u>	Not available.
<u>10.6. Hazardous decomposition products</u>	Have not been determined.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute Oral LD <sub>50</sub> :	Not available.
Acute Dermal LD <sub>50</sub> :	Not available.
Acute Inhalation LC <sub>50</sub> :	Not available.
Skin Irritation:	No data available.
Skin Sensitization:	No data available.
Eye Irritation:	No data available.
Target Organs:	No data available.
Carcinogenicity:	No data available.
Teratogenicity:	No data available.
Reproduction:	No data available.
Neurotoxicity:	No data available.
Mutagenicity:	No data available.

## SECTION 12: Ecological information

<u>12.1. Toxicity</u>	48 HR LC50 CYPRINUS CARPIO 1.06 mg/L
<u>12.2. Persistence and degradability</u>	No data Not available.
<u>12.3. Bioaccumulative potential</u>	No data



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12.4. Mobility in soil No data  
12.5. Results of PBT and vPvB assessment Not available.  
12.6. Other adverse effects Not available. Not available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

US EPA Waste Number: Not applicable

Waste Disposal: Dispose of this material in accordance with standard practice for disposal of potentially hazardous materials as required by applicable international, national, regional, state or local laws. Do NOT dump into any sewers, on the ground, or into any body of water. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. Note that disposal regulations may also apply to empty containers and equipment rinsates.

### SECTION 14: Transport information

14.1. UN number Not applicable  
14.2. UN proper shipping name Chemicals, n.o.s. (Ammonium Acetate)  
14.3. Transport hazard class(es) Not applicable  
14.4. Packing group Not applicable  
14.5. Environmental hazards Not applicable  
14.6. Special precautions for user Not available.  
NA Emergency Guidebook Numbers: Not applicable **IMDG EMS:** Not applicable  
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

OSHA Hazards: Not applicable.  
WHMIS Classification: Class D, Division 2, Subdivision B: Toxic Material.  
Chemical Inventory Lists: **Status**  
TSCA: 15TSCA040  
EINECS: 211-162-9  
Canada(DSL/NDSL): DSL  
Japan: (2)-688

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Korea:	KE-01629
Australia:	Present
New Zealand:	Present
China:	Present
Philippines:	Present
Switzerland:	Not Listed
New Zealand GHS Classification:	6.3B, 6.4A (Approval number: HSR003587); 6.3B, 6.4A (>10% in a non hazardous diluent, Approval number: HSR006688)
Japan GHS Classification:	Non classificato da questo paese.
Korea (MOL) GHS Classification:	Non classificato da questo paese.
Australia GHS Classification:	Non classificato da questo paese.
Taiwan GHS Classification:	Non classificato da questo paese.
Indonesia GHS Classification:	Non classificato da questo paese.
SARA 313:	15SARAH030 15SARAH020 15SARAP020 15SARAP030

### 15.2. Chemical safety assessment

Not applicable.

## SECTION 16: Other information

Full text of R phrases in Section 3: R36: Irritating to the eyes.





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**Legend of abbreviations:**

ACGIH = American Conference on Governmental Industrial Hygienists.  
CAS = Chemical Abstracts Service.  
CERCLA = Comprehensive Environmental, Response, Compensation and Liability Act (1990).  
CFR = Code of Federal Regulations.  
DSL/NDSL = Domestic Substances List/Non-Domestic Substances List.  
EC = European Community.  
EEC = European Economic Community.  
EINECS = European Inventory of Existing Commercial chemical Substances.  
ELINCS = European List of Notified Chemical Substances.  
EU = European Union.  
GHS = Globally Harmonized System.  
LC = Lethal concentration.  
LD = Lethal dose.  
MOL = Ministry of Labor.  
NEMA = National Emergency Management Agency.  
NFPA = National Fire Protection Association.  
NIOSH = National Institute of Occupational Safety and Health.  
NTP = National Toxicological Program.  
OSHA = Occupational Safety and Health Administration  
PEL = Permissible exposure limit.  
RQ = Reportable quantity.  
SARA = Superfund Amendments and Reauthorization Act of 1986.  
TLV = Threshold limit value.  
WHMIS = Workplace Hazardous Materials Information System.

**Precautionary Statement:** Please note that the information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers.

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