



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 65% Solution

Synonyms: Acetic Acid Ammonium Salt Solution

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: 570-421-9012
E-Mail Address: 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.

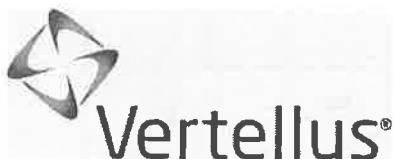
2.3. Other hazards

Signs and Symptoms of Potential Overexposure: May cause skin irritation. 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

Ingredient	CAS Number	Concentration (%)	EINECS / ELINCS	EU Symbol	Risk Phrases
Ammonium Acetate	631-61-8	65	Not Listed	N/A	Not applicable



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Water 7732-18-5 35

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

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

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

Acute: May cause skin irritation. May be harmful if inhaled.
Delayed Effects: None known.

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

Thermal Exposure: Not applicable.
Note to Physician: No additional first aid information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for firefighters

Basic Fire Fighting Guidance: 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.
Flammability Classification (OSHA): Not applicable.

NFPA Rating

1
2 0



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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- Evacuation Procedures:** Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
- Special Instructions:** 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

- Containment Techniques and Clean-up Procedures:** Ensure clean-up measures are in compliance with OSHA (29 CFR 1910.120).
- Special Reporting Requirements:** 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

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

7.2. Conditions for safe storage, including any incompatibilities

- Storage Precautions & Recommendations:** Keep container closed when not in use.
- Dangerous Incompatibility Reactions:** Avoid excessive heat, strong acids, strong bases, and oxidizing agents.
- Incompatibilities with Materials of Construction:** 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: Use chemical goggles, faceshields, boots and impervious clothing, if conditions involve potential for splashing or spraying. Safety glasses or chemical goggles.

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. Use process enclosures to control the level of dust in the air. 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.

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: Use impervious gloves.

Additive or Synergistic Effects: None known.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance, State & Odor (ambient temperature):	Colorless liquid Slightly acetous		
Molecular Formula:	Not applicable	Molecular Weight:	Not applicable
Vapor Pressure:	Code:	Evaporation Rate:	Not applicable
Specific Gravity or Density:	1.10000000	Vapor Density (air = 1):	Not applicable
Boiling Point:	Code:	Freezing / Melting Point:	Not applicable Not applicable
Solubility in Water:	Miscible	Octanol / Water Coefficient:	Not applicable
pH:	Not applicable	Odor Threshold:	Not applicable
Viscosity:	Not applicable	Autoignition Temperature:	Not applicable
Flash Point and Method:	(Not applicable) (Not applicable)	Flammable Limits:	Not applicable (LEL) – Not applicable (UEL)

9.2. Other information

Not applicable.

SECTION 10: Stability and reactivity



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<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 prone to hazardous polymerization
<u>10.4. Conditions to avoid</u>	Material may become unstable when mixed with incompatible materials listed in this section.
<u>10.5. Incompatible materials</u>	Avoid excessive heat, strong acids, strong bases, and oxidizing agents.
<u>10.6. Hazardous decomposition products</u>	Ammonia.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute Oral LD ₅₀ :	Oral LD ₅₀ (rat) > 90000 mg/kg
Acute Dermal LD ₅₀ :	Not available.
Acute Inhalation LC ₅₀ :	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.
Additional Toxicity Information:	Not available.

SECTION 12: Ecological information

<u>12.1. Toxicity</u>	Code:
<u>12.2. Persistence and degradability</u>	No data No data available.
<u>12.3. Bioaccumulative potential</u>	No data
<u>12.4. Mobility in soil</u>	No data
<u>12.5. Results of PBT and vPvB assessment</u>	Not available.
<u>12.6. Other adverse effects</u>	Not available. Not available.



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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 Solution)
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 MARPOL 73/78 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: Not Controlled

Chemical Inventory Lists:	Status
TSCA:	15TSCA040
EINECS:	211-162-9
	231-791-2
Canada(DSL/NDL):	DSL
Japan:	(2)-688
Korea:	KE-01629
	KE-35400
Australia:	Present
New Zealand:	Present



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China: Present
Philippines: Present
Switzerland: Not Listed

New Zealand GHS Classification: Non classificato da questo paese.

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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