Safety data sheet

ChemiPURE Ammonium Acetate, ≥ 98%

Product name ChemiPURE Ammonium Acetate, ≥ 98%	Catalog no. AAC05, AAC10
Synonyms Ammonium ethanoate; acetic acid ammonium salt	SDS revision -
CAS no. 631-61-8	Format version / date 3 / 24 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	ChemiPURE Ammonium Acetate, ≥ 98%
Product code	AAC05 (500 g), AAC10 (1 kg)
CAS number	631-61-8
EC number	211-162-9
Recommended use	Laboratory and analytical reagent; research use only.
Supplier	EcoTech Biotechnology
Website	www.ecotechbiotech.com
Address	Universite Mah. Ipekyolu Cad. Ata Teknokent Sitesi B Blok No: Z10, Yakutiye, Erzurum, Türkiye
Telephone	0090 544 327 34 97
SDS contact	info@ecotechbiotech.com
Emergency telephone	0090 544 327 34 97
Available	Monday-Saturday/08:00-20:00/GMT+3
Languages	Turkish/English
Outside these hours	Contact: info@ecotechbiotech.com

02 HAZARDS IDENTIFICATION

Classification	Not classified as hazardous according to Regulation (EC) No. 1272/2008 (CLP).
Label elements	No hazardous label elements required.
Symbols / pictograms	None
Signal word	None
Hazard statements	None
Precautionary statements - Prevention	Avoid generating dust; wear protective gloves and safety glasses.
Precautionary statements - Response	Rinse exposed skin or eyes with water; seek medical advice if symptoms persist.
Other hazards	Hygroscopic solid; airborne dust may cause mechanical irritation. Fine dust accumulations may present a fire hazard.

Composition & response

ChemiPURE Ammonium Acetate, ≥ 98% | SAFETY DATA SHEET / SECTIONS 03-05

03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	ChemiPURE Ammonium Acetate, ≥ 98%
Synonyms	Ammonium acetate; ammonium ethanoate
Concentration	≥ 98% (purity)
Formula	CH3COONH4 (C2H7NO2)
Molecular weight	77.08 g/mol
Mixture statement	Ammonium acetate (CAS 631-61-8; EC 211-162-9), assay ≥98%. Residual impurities are not individually specified in the product information.

04 FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	Rinse cautiously with plenty of water for several minutes, including under eyelids. Obtain medical advice if irritation persists.
Skin contact	Wash skin thoroughly with water. Remove contaminated clothing. Seek advice if irritation develops.
Inhalation	Move to fresh air. Seek medical advice if breathing discomfort or symptoms persist.
Ingestion	Rinse mouth with water. Do not induce vomiting unless instructed by medical personnel. Seek medical advice if unwell.
Self-protection of first aider	Use suitable personal protective equipment and avoid breathing dust.
Most important symptoms / effects	Dust may irritate eyes and respiratory tract; ingestion may cause nausea or vomiting.
Notes to physicians	Treat symptomatically.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Water spray, foam, dry extinguishing powder or carbon dioxide, suitable for surrounding fire.
Unsuitable extinguishing media	Avoid a high-pressure water jet that may spread burning material or dust.
Special hazards arising from the substance or mixture	Combustible solid. Fire may release nitrogen oxides, ammonia and carbon oxides.
Explosion data	Fine airborne dust may form combustible mixtures; avoid dust accumulation and dispersion.
Advice for firefighters	Wear self-contained breathing apparatus and suitable protective clothing.

Safe use & protection

ChemiPURE Ammonium Acetate, ≥ 98% | SAFETY DATA SHEET / SECTIONS 06-08

06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Ventilate area. Avoid generating or breathing dust. Wear suitable gloves, eye protection and laboratory clothing.
Environmental precautions	Prevent release into drains, soil and surface water.
Methods and materials for containment and cleaning up	Collect dry material mechanically without generating dust. Place in a closed, labelled container for disposal.
Reference to other sections	See Sections 8 and 13.

07 HANDLING AND STORAGE

Precautions for safe handling	Avoid dust generation and contact with eyes, skin and clothing. Use good laboratory hygiene and adequate ventilation.
Conditions for safe storage	Store at 15-25 °C in a tightly closed container in a dry, well-ventilated area. Protect from moisture.
Container labeling	Keep in correctly labelled original containers; reseal immediately after use.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

No occupational exposure limit established for ammonium acetate in the cited SDS data.

8.2 Exposure controls

Engineering measures	Use general laboratory ventilation; local extraction recommended when handling powders in quantity.
Hygiene measures	Do not eat, drink or smoke while handling. Wash hands after use and before breaks.
Eye / face protection	Use safety glasses with side shields or appropriate chemical safety goggles.
Hand protection	Wear chemical-resistant gloves (e.g., nitrile) suitable for the task.
Skin and body protection	Wear a laboratory coat and closed shoes.
Respiratory protection	Normally unnecessary with adequate ventilation; use particulate filtration if dust forms.

Material properties

ChemiPURE Ammonium Acetate, ≥ 98% | SAFETY DATA SHEET / SECTIONS 09-10

09 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	White crystalline powder (solid)
Odor	Faint acetic-acid-like odor (reference data)
Odor threshold	No data available
pH	6.5-7.5 (50 g/L aqueous solution; reference data)
Melting point / freezing point	Approx. 112-114 °C (reference data)
Initial boiling point and boiling range	No data available
Flash point	Not applicable (solid)
Evaporation rate	Not applicable (solid)
Flammability (solid, gas)	Combustible solid; not readily ignited
Upper / lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	Not applicable (solid)
Relative density	Approx. 1.17 g/cm3 at 20 °C (reference data)
Solubility(ies)	Highly soluble in water (about 1,480 g/L; reference data)
Partition coefficient: n-octanol / water	log Pow ≈ -2.79 (reference data)
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	Not applicable (solid)
Explosive properties	Fine dust may pose a dust explosion risk
Oxidizing properties	Not oxidizing

10 STABILITY AND REACTIVITY

Reactivity	Avoid strong oxidizers and hypochlorites; fine dust may be combustible.
Chemical stability	Hygroscopic; stable when properly stored in tightly closed, dry containers.
Possibility of hazardous reactions	Potential reaction with strong oxidizing agents and hypochlorites.
Conditions to avoid	Heat, excessive moisture and dust formation.
Incompatible materials	Strong oxidizing agents, strong acids/bases and sodium hypochlorite.
Hazardous decomposition products	Nitrogen oxides, ammonia, carbon monoxide and carbon dioxide in fire.

Health & environment

ChemiPURE Ammonium Acetate, ≥ 98% | SAFETY DATA SHEET / SECTIONS 11-13

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	Based on available information, not classified as acutely toxic.
Skin corrosion / irritation	Not classified; repeated contact with dust may cause mild irritation.
Serious eye damage / eye irritation	Not classified; dust may cause mechanical eye irritation.
Carcinogenicity	Not classified as carcinogenic; no IARC listing for ammonium acetate.
Reproductive toxicity	Not classified as toxic to reproduction.
STOT - SE	Not classified for specific target organ toxicity (single exposure).
STOT - RE	Not classified for specific target organ toxicity (repeated exposure).
Aspiration hazard	Not applicable to solid.

11.2 Potential health effects

Ingestion: May cause gastrointestinal discomfort.
Inhalation: Dust may irritate the respiratory tract.
Skin: Repeated dust contact may cause mild irritation.
Eyes: Dust may cause mechanical irritation.

11.3 Additional information

No additional product-specific toxicological test data are available.

12 ECOLOGICAL INFORMATION

Ecotoxicity	Not classified as hazardous to the aquatic environment; avoid uncontrolled discharge.
Persistence and degradability	Persistence is considered unlikely based on available substance data.
Bioaccumulative potential	Low bioaccumulation potential (log Pow ≈ -2.79).
Mobility in soil	Likely mobile because of high water solubility.
Results of PBT and vPvB assessment	Available substance assessments do not indicate PBT or vPvB properties.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product	Dispose of laboratory chemical waste in accordance with applicable local and national regulations. Do not discharge to drains.
Contaminated packaging	Dispose of contaminated packaging according to local waste regulations; recycle only after proper cleaning.

Transport & reference

ChemiPURE Ammonium Acetate, ≥ 98% | SAFETY DATA SHEET / SECTIONS 14-16

14 TRANSPORT INFORMATION

Mode	UN no.	UN proper shipping name	Hazard class	Packing group	Environmental hazards
ADR/RID	N/A	Not regulated	N/A	N/A	No
IMDG	N/A	Not regulated	N/A	N/A	No
IATA	N/A	Not regulated	N/A	N/A	No

15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation	Regulation (EC) No. 1907/2006 (REACH); Regulation (EC) No. 1272/2008 (CLP). CAS 631-61-8; EC 211-162-9. EU substance listings should be checked before release.
Environmental hazards	Not classified as environmentally hazardous.
Chemical safety assessment	No product-specific Chemical Safety Assessment supplied.

16 OTHER INFORMATION

Key to abbreviations and acronyms

STOT-SE	Specific Target Organ Toxicity - Single Exposure
STOT-RE	Specific Target Organ Toxicity - Repeated Exposure
PBT	Persistent Bioaccumulative and Toxic
vPvB	very Persistent very Bioaccumulative and toxic
ADR	European Agreement concerning the international carriage of Dangerous goods by Road
CAS	Chemical Abstracts Service
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime code for Dangerous Goods
REACH	Registration, Evaluation, Authorization and restriction of Chemicals
RID	Regulations concerning the International transport of Dangerous goods by rail