

# SAFETY DATA SHEET

according to 1907/2006/EC, Article 3

Version no. : 2.1  
Prepared on : 12.08.2025  
Revised on : 10.02.2026

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

### 1.1 Product identifiers

**Product name** Ammonium acetate  
**Product Number** PSR42185 / PSR44945  
**Brand** PureSynth research chemicals  
**CAS No.** 631-61-8

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

**Identified uses** : Laboratory chemicals.

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

**Company** PureSynth Research Chemicals Pvt. Ltd.  
64683 Einhausen Marie-Curie-StraBe. 3, Germany

### 1.4 Emergency telephone number

**Worldwide Helpline No.:** 1800-8908-260

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

### 2.2 Label elements

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

### 2.3 Other hazards -

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition / information on ingredients

### 3.1 Substances

| Common names & Synonyms | Mol. formula                                  | CAS number |
|-------------------------|-----------------------------------------------|------------|
| Ammonium acetate        | C <sub>2</sub> H <sub>7</sub> NO <sub>2</sub> | 631-61-8   |

#### SECTION 4: First aid measures

##### Description of first aid measures

|                                                                                   |                                                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>If inhaled</b>                                                                 | If breathed in, move person into fresh air. If not breathing, give artificial respiration.                          |
| <b>In case of skin contact</b>                                                    | Wash off with soap and plenty of water. Consult a physician.                                                        |
| <b>In case of eye contact</b>                                                     | Rinse thoroughly with plenty of water as precaution.                                                                |
| <b>If swallowed</b>                                                               | Never give anything by mouth to an unconscious person. Rinse mouth with water.                                      |
| <b>Most important symptoms and effects, both acute and delayed</b>                | The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11 |
| <b>Indication of any immediate medical attention and special treatment needed</b> | No data available                                                                                                   |

#### SECTION 5: Firefighting measures

|                                                              |                                                                          |
|--------------------------------------------------------------|--------------------------------------------------------------------------|
| <b>Extinguishing media</b>                                   | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| <b>Suitable extinguishing media</b>                          |                                                                          |
| <b>Special hazards arising from the substance or mixture</b> | Carbon oxides, Nitrogen oxides (NO <sub>x</sub> ) Combustible.           |
| <b>Advice for firefighters</b>                               | Wear self-contained breathing apparatus for firefighting if necessary    |
| <b>Further information</b>                                   | No data available                                                        |

#### SECTION 6: Accidental release measures

|                                                                            |                                                                                                                                                                                                                               |
|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.<br>For personal protection see section 8. |
| <b>Environmental precautions</b>                                           | Do not let product enter drains.                                                                                                                                                                                              |
| <b>Methods and materials for containment and cleaning up</b>               | Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.                                                                                                    |
| <b>Reference to other sections</b>                                         | For disposal see section 13.                                                                                                                                                                                                  |

#### SECTION 7: Handling and storage

|                                                                     |                                                                                                                                                             |
|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Precautions for safe handling</b>                                | Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.<br>For precautions see section 2.2. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Moisture sensitive. Handle and store under inert gas.                |
| <b>Specific end use(s)</b>                                          | Apart from the uses mentioned in section 1.2 no other specific uses are stipulated                                                                          |

## SECTION 8: Exposure controls / Personal protection

|                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Control parameters</b>                | Components with workplace control parameters                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Exposure controls</b>                 |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Appropriate engineering controls</b>  | Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.                                                                                                                                                                                                                                                                                                     |
| <b>Personal protective equipment:</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Eye / face protection</b>             | Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).                                                                                                                                                                                                                                                                   |
| <b>Skin protection</b>                   | Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.                                                                                                                 |
| <b>Body Protection</b>                   | Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.                                                                                                                                                                                                                                  |
| <b>Respiratory protection</b>            | Where risk assessment shows air-purifying respirators are appropriate use a full- face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). |
| <b>Control of environmental exposure</b> | Do not let product enter drains.                                                                                                                                                                                                                                                                                                                                                                                               |

## SECTION 9: Physical and chemical properties

|                                                       |                                     |
|-------------------------------------------------------|-------------------------------------|
| <b>Appearance</b>                                     | Form: solid,white                   |
| <b>Odour</b>                                          | No data available                   |
| <b>pH - Value</b>                                     | 6.5 – 7.5 at 77.1 g/l at 25°C       |
| <b>Density</b>                                        | No data available                   |
| <b>Boiling Point</b>                                  | Decomposes below the boiling point. |
| <b>Melting Point</b>                                  | 110 - 112 °C                        |
| <b>Solubility in water</b>                            | 1.480 g/l at 4 °C                   |
| <b>Flash point</b>                                    | No data available                   |
| <b>Vapour pressure</b>                                | < 0.001 hPa                         |
| <b>Auto -ignition temperature</b>                     | No data available                   |
| <b>Vapour density</b>                                 | No data available                   |
| <b>Flammability (solid, gas)</b>                      | No data available                   |
| <b>Evaporation rate</b>                               | No data available                   |
| <b>Partition coefficient: n- octanol / water</b>      | No data available                   |
| <b>Viscosity</b>                                      | No data available                   |
| <b>Explosive properties</b>                           | No data available                   |
| <b>Upper / lower flammability or explosive limits</b> | No data available                   |
| <b>Oxidizing properties</b>                           | No data available                   |

**Other safety information:** No data available

## SECTION 10: Stability and reactivity

|                                           |                                                                                                                                                                                           |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>                         | No data available                                                                                                                                                                         |
| <b>Chemical stability</b>                 | Stable under recommended storage conditions                                                                                                                                               |
| <b>Possibility of hazardous reactions</b> | No data available                                                                                                                                                                         |
| <b>Condition to avoid</b>                 | Exposure to moisture                                                                                                                                                                      |
| <b>Incompatible materials</b>             | Strong oxidizing agents                                                                                                                                                                   |
| <b>Hazardous decomposition products</b>   | Other decomposition products - No data available<br>Hazardous decomposition products formed under fire conditions. – carbon oxide, nitrogen oxide.<br>In the event of fire: see section 5 |

## SECTION 11: Toxicological information

|                                                           |                                                                                                                                                                                               |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Acute toxicity</b>                                     | Information given is based on data obtained from similar substances. Dermal: Information given is based on data obtained from similar substances.<br>LD50 Intraperitoneal - Mouse - 736 mg/kg |
| <b>Skin corrosion/irritation</b>                          | No data available                                                                                                                                                                             |
| <b>Serious eye damage/eye irritation</b>                  | No data available                                                                                                                                                                             |
| <b>Respiratory or skin sensitization</b>                  | No data available                                                                                                                                                                             |
| <b>Germ cell mutagenicity</b>                             | No data available                                                                                                                                                                             |
| <b>Carcinogenicity</b>                                    | IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.                                 |
| <b>Reproductive toxicity</b>                              | No data available                                                                                                                                                                             |
| <b>Specific target organ toxicity - repeated exposure</b> | No data available                                                                                                                                                                             |
| <b>Aspiration hazard</b>                                  | No data available                                                                                                                                                                             |
| <b>Additional Information</b>                             | RTECS: Not available                                                                                                                                                                          |

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Fluoride ion can reduce serum calcium levels possibly causing fatal hypocalcemia.

The following applies to boron compounds in general: resorption is followed by nausea and vomiting, agitation, spasms, CNS disorders, cardiovascular disorders.

The following applies to soluble inorganic fluorides in general: may cause irritations to burns in contact with eyes, skin, mucous membranes. Systemic effect: drop in blood calcium level, agitation, spasms, cardiovascular disorders, CNS disorders.

Other dangerous properties can not be excluded.

Handle in accordance with good industrial hygiene and safety practice.

## SECTION 12: Ecological information

|                                           |                                                                                                                                                                                                    |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Toxicity</b>                           |                                                                                                                                                                                                    |
| Toxicity to fish                          | LC50 - Cyprinus carpio (Carp) - 308 mg/l - 48 h (OECD Test Guideline 203)                                                                                                                          |
| <b>Persistence and degradability</b>      | Result: - Readily biodegradable.                                                                                                                                                                   |
| <b>Bioaccumulative potential</b>          | Bioaccumulation is unlikely.                                                                                                                                                                       |
| <b>Mobility in soil</b>                   | No data available                                                                                                                                                                                  |
| <b>Results of PBT and vPvB assessment</b> | This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. |
| <b>Other adverse effects</b>              | No data available                                                                                                                                                                                  |

## SECTION 13: Disposal considerations

|                                |                                                                            |
|--------------------------------|----------------------------------------------------------------------------|
| <b>Waste treatment methods</b> |                                                                            |
| Products                       | Offer surplus and non-recyclable solutions to a licensed disposal company. |
| <b>Contaminated packaging</b>  | Dispose of as unused product.                                              |

## SECTION 14: Transport information

|                  | UN no. | UN proper shipping name | Hazard Class(es) | Packaging group | Marine Pollutant |
|------------------|--------|-------------------------|------------------|-----------------|------------------|
| <b>ADR / RID</b> | -      | Not dangerous goods     | -                | -               | No               |
| <b>IMDG</b>      | -      | Not dangerous goods     | -                | -               | No               |
| <b>IATA</b>      | -      | Not dangerous goods     | -                | -               | No               |

## SECTION 15: Regulatory information

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

### Chemical safety assessment

For this product a chemical safety assessment was not carried out.

## SECTION 16: Other information

The information in this SDS is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. The user must be determined suitability of this information for his application.