

# Material Safety Data Sheet



**ANTIMONY POTASSIUM TARTRATE AR**

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

**Product Code : 21835**

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

### 1.1. Product identifier

Trade name : ANTIMONY POTASSIUM TARTRATE AR  
Product code : 21835  
Identification of the product : ANTIMONY POTASSIUM TARTRATE AR  
CAS No : 28300- 74- 5

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

Identified uses : Laboratory chemicals, Manufacture of substances

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

**Company identification** MOLYCHEM INDIA LLP  
Office: Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)  
Tel: +91 22 4066 8111, 2205 7772 .  
Email : [info@molychem.net](mailto:info@molychem.net)  
Works: Plot No. B/9, Badlapur M.I.D.C.,  
OPP.Shobhavat Textile Co., Kulgaon, Badlapur (E),  
Dist.-Thane-421 503.

### 1.4. Emergency telephone number

Emergency number : +91 22 4066 8111 (10:00am - 6:00 pm)

## 2. Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Skin corrosion/irritation, Category 2 H315

Acute toxicity (inhal.), H332 Category 4 H319

Hazardous to the aquatic environment — H411

Chronic Hazard, Category 2

Full text of H- and EUH-statements: see section 16

### Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



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Signal word (CLP)

Hazard statements (CLP)

Precautionary statements (CLP)

GHS07 GHS09

: Warning

: H315 - Causes skin irritation.

H302+H332 - Harmful if swallowed or if inhaled

H400 - Very toxic to aquatic life

: P273 - Avoid release to the environment.

H411 - Toxic to aquatic life with long lasting effects.

## 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

## 3. Composition/information on ingredients

### 3.1. Substances

Name : ANTIMONY POTASSIUM TARTRATE AR

CAS-No : 28300- 74- 5

### 3.2. Mixtures

Not applicable

## 4. First aid measures

### 4.1. Description of first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention.  
Call a poison center or a doctor if you feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. If you feel unwell, seek medical advice. Call a doctor.

First-aid measures after skin contact : Gently wash with plenty of soap and water. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth out with water. If you feel unwell, seek medical advice. Rinse mouth. Call a poison center or a doctor if you feel unwell.

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

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Symptoms/effects after skin contact : Causes skin irritation. Irritation  
Symptoms/effects after eye contact : Causes serious eye irritation. Eye irritation.

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

Treat symptomatically.

## 5. Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>). Water spray. Dry powder. Foam. Carbon dioxide.  
Unsuitable extinguishing media : Do not use a heavy water stream.

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

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## 6. Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Use personal protective equipment as required. For further information refer to section 8: "Exposure controls/ personal protection"  
Emergency procedures : Ventilate area. Evacuate unnecessary personnel.

### 6.2. Environmental precautions

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Avoid release to the environment.

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

Methods for cleaning up : Mechanically recover the product. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. On land, sweep or shovel into suitable containers.

Other information : Dispose of materials or solid residues at an authorized site.

## 6.4. Reference to other sections

For further information refer to section 13.

## 7. Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Do not breathe vapours. Avoid dust formation. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Always wash hands after handling the product.

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

Technical measures : Keep in a cool, well-ventilated place away from heat.

Storage conditions : Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Storage away from : Direct sunlight. Air contact. Moisture.

### 7.3. Specific end use(s)

No additional information available

## 8. Exposure controls/personal protection

### 8.1. Control parameters

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No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

|                        |                                                                                           |
|------------------------|-------------------------------------------------------------------------------------------|
| Eye protection         | : Chemical goggles or safety glasses                                                      |
| Hand protection        | : Wear protective gloves                                                                  |
| Skin protection        | : Wear suitable protective clothing                                                       |
| Respiratory protection | : Wear appropriate mask. [In case of inadequate ventilation] wear respiratory protection. |

### 8.2.3 Environmental exposure controls

Avoid release to the environment

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                  |                                  |
|----------------------------------|----------------------------------|
| Physical state                   | : Solid                          |
| Appearance                       | : powder or crystalline powder . |
| Molecular mass                   | : 324.92g/mol                    |
| Colour                           | : White                          |
| pH (5%aq. solution)              | : 4.0 - 4.2                      |
| Relative evaporation rate        | : Not applicable                 |
| Melting point                    | : 100°C                          |
| Boiling point                    | : Not available.                 |
| Flash point                      | : Not available.                 |
| Auto-ignition temperature        | : Not available.                 |
| Decomposition temperature        | : Not available.                 |
| Vapour pressure                  | : Not applicable                 |
| Relative vapour density at 20 °C | : Not applicable                 |
| Density                          | : 2.6g/cm <sup>3</sup>           |
| Solubility                       | : Water: Miscible                |
| Viscosity, kinematic             | : Not applicable                 |
| Explosive limits                 | : Not Available                  |

### 9.2. Other information

No additional information available

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## 10. Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Direct sunlight. Air contact. Moisture.

### 10.5. Incompatible materials

No additional information available

### 10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. Toxicological information

### 11.1. Information on toxicological effects

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Acute toxicity (oral)             | : Toxic if swallowed.                 |
| Acute toxicity (dermal)           | : Not classified                      |
| Acute toxicity (inhalation)       | : Harmful if inhaled.                 |
| Skin corrosion/irritation         | : Causes skin irritation              |
| Additional information            | : Not classified                      |
| Serious eye damage/irritation     | : Not classified                      |
| Respiratory or skin sensitisation | : May cause an allergic skin reaction |
| Germ cell mutagenicity            | : Not classified                      |
| Carcinogenicity                   | : Not classified                      |
| Reproductive toxicity             | : Not classified                      |
| STOT-single exposure              | : Not classified                      |
| STOT-repeated exposure            | : Not classified                      |
| Aspiration hazard                 | : Not classified                      |

## 12. Ecological information

### 12.1. Toxicity

|                                                          |                                                    |
|----------------------------------------------------------|----------------------------------------------------|
| Ecology - general                                        | : Toxic to aquatic life with long lasting effects. |
| Hazardous to the aquatic environment, short-term (acute) | : Not classified                                   |
| Hazardous to the aquatic environment, long-term          | : Toxic to aquatic life with long lasting effects. |

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term (chronic)

## 12.2. Persistence and degradability

No additional information available

## 12.3. Bioaccumulative potential

No additional information available

## 12.4. Mobility in soil

No additional information available

## 12.5 Results of PBT and vPvB assessment

No additional information available

## 12.6 Other adverse effects

No additional information available

## 13. Disposal considerations

### 13.1. Waste treatment methods

|                                            |                                                                                                                                                                                                                        |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste treatment methods                    | : Disposal must be done according to official regulations.                                                                                                                                                             |
| Sewage disposal recommendations            | : Disposal must be done according to official regulations.                                                                                                                                                             |
| Product/Packaging disposal recommendations | : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Disposal must be done according to official regulations. |
| Additional information                     | : Do not re-use empty containers.                                                                                                                                                                                      |

## 14. Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

### 14.1. UN number

|               |           |
|---------------|-----------|
| UN-No. (ADR)  | : UN 1551 |
| UN-No. (IMDG) | : UN 1551 |
| UN-No. (IATA) | : UN 1551 |
| UN-No. (ADN)  | : UN 1551 |
| UN-No. (RID)  | : UN 1551 |

### 14.2. UN proper shipping name

|                             |                               |
|-----------------------------|-------------------------------|
| Proper Shipping Name (ADR)  | : ANTIMONY POTASSIUM TARTRATE |
| Proper Shipping Name (IMDG) | : ANTIMONY POTASSIUM TARTRATE |
| Proper Shipping Name (IATA) | : Antimony potassium tartrate |
| Proper Shipping Name (ADN)  | : ANTIMONY POTASSIUM TARTRATE |

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|                                       |                                                                                             |
|---------------------------------------|---------------------------------------------------------------------------------------------|
| Proper Shipping Name (RID)            | : ANTIMONY POTASSIUM TARTRATE                                                               |
| Transport document description (ADR)  | : UN 1551 ANTIMONY POTASSIUM TARTRATE, 6.1, III, (E)                                        |
| Transport document description(IMDG)  | : UN 1551 ANTIMONY POTASSIUM TARTRATE, 6.1, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS |
| Transport document description (IATA) | : UN 1551 Antimony potassium tartrate, 6.1, III, ENVIRONMENTALLY HAZARDOUS                  |
| Transport document description (ADN)  | : UN 1551 ANTIMONY POTASSIUM TARTRATE, 6.1, III, ENVIRONMENTALLY HAZARDOUS                  |
| Transport document description (RID)  | : UN 1551 ANTIMONY POTASSIUM TARTRATE, 6.1, III, ENVIRONMENTALLY HAZARDOUS                  |

## 14.3. Transport hazard class(es)

### ADR

|                                  |       |
|----------------------------------|-------|
| Transport hazard class(es) (ADR) | : 6.1 |
| Danger labels (ADR)              | : 6.1 |

### IMDG

|                                   |       |
|-----------------------------------|-------|
| Transport hazard class(es) (IMDG) | : 6.1 |
| Danger labels (IMDG)              | : 6.1 |

### IATA

|                                   |       |
|-----------------------------------|-------|
| Transport hazard class(es) (IATA) | : 6.1 |
| Danger labels (IATA)              | : 6.1 |

### ADN

|                                  |       |
|----------------------------------|-------|
| Transport hazard class(es) (ADN) | : 6.1 |
| Danger labels (ADN)              | : 6.1 |

### RID

|                                  |       |
|----------------------------------|-------|
| Transport hazard class(es) (RID) | : 6.1 |
| Danger labels (RID)              | : 6.1 |

## 14.4. Packing group

|                      |       |
|----------------------|-------|
| Packing group (ADR)  | : III |
| Packing group (IMDG) | : III |
| Packing group (IATA) | : III |
| Packing group (ADN)  | : III |
| Packing group (RID)  | : III |

## 14.5. Environmental hazards

|                               |                                          |
|-------------------------------|------------------------------------------|
| Dangerous for the environment | : Yes                                    |
| Marine pollutant              | : Yes                                    |
| Other information             | : No supplementary information available |

## 14.6. Special precautions for user Overland transport

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Classification code (ADR) : T5  
Limited quantities (ADR) : 5kg  
Excepted quantities (ADR) : E1  
Packing instructions (ADR) : P002, IBC08, LP02, R001  
Mixed packing provisions (ADR) : MP10  
Portable tank and bulk container instructions (ADR) : T1  
Portable tank and bulk container special provisions (ADR) : TP33  
Tank code (ADR) : SGAH, L4BH  
Vehicle for tank carriage : AT  
Transport category (ADR) : 2  
Special provisions for carriage - Operation (ADR) : S9  
Hazard identification number (Kemler No.) : 60  
Tunnel restriction code (ADR) : E  
EAC code : 2Z

## **Transport by sea**

Limited quantities (IMDG) : 5 kg  
Excepted quantities (IMDG) : E1  
Packing instructions (IMDG) : P002, LP02  
IBC packing instructions (IMDG) : IBC08  
Tank instructions (IMDG) : T1  
Tank special provisions (IMDG) : TP33  
Stowage category (IMDG) : A  
MFAG-No : 151

## **Air transport**

PCA Excepted quantities (IATA) : E1  
PCA Limited quantities (IATA) : Y645  
PCA limited quantity max net quantity (IATA) : 10kg  
PCA packing instructions (IATA) : 670  
PCA max net quantity (IATA) : 100kg  
CAO packing instructions (IATA) : 677  
CAO max net quantity (IATA) : 200kg  
ERG code (IATA) : 6L

## **Inland waterway transport**

Classification code (ADN) : T5  
Limited quantities (ADN) : 5 kg  
Excepted quantities (ADN) : E1  
Equipment required (ADN) : PP, EP

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Number of blue cones/lights (ADN) : 0  
**Rail transport**  
Classification code (RID) : T5  
Limited quantities (RID) : 5kg  
Excepted quantities (RID) : E1  
Packing instructions (RID) : P002, IBC08, LP02, R001  
Mixed packing provisions (RID) : MP10  
Portable tank and bulk container instructions (RID) : T1  
Portable tank and bulk container special provisions (RID) : TP33  
Tank codes for RID tanks (RID) : SGAH, L4BH  
Transport category (RID) : 2  
Colis express (express parcels) (RID) : CE11  
Hazard identification number (RID) : 60

## **14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable

## **15. Regulatory information**

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

#### **15.1.1 EU-Regulations**

Not listed on REACH Annex XVII  
Not listed on REACH Annex XIV (Authorisation List)  
Not listed on the REACH Candidate List  
Not listed on the PIC list (Regulation EU 649/2012)

Not listed on the POP list (Regulation EU 2019/1021)  
Not listed on the Ozone Depletion list (Regulation EU 1005/2009)  
Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### **15.1.2. National regulations**

##### **Germany**

Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification

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Hazardous Incident Ordinance (12. BImSchV) according to AwSV).  
: Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

**Netherlands**

SZW-lijst van kankerverwekkende stoffen : The substance is not listed  
SZW-lijst van mutagene stoffen : The substance is not listed  
SZW-lijst van reprotoxische stoffen – Borstvoeding : The substance is not listed  
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : The substance is not listed  
SZW-lijst van reprotoxische stoffen – Ontwikkeling : The substance is not listed

**Denmark**

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## 16. Other information

| Abbreviations and acronyms |                                                                                                 |
|----------------------------|-------------------------------------------------------------------------------------------------|
| ADN                        | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR                        | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE                        | Acute Toxicity Estimate                                                                         |
| BCF                        | Bioconcentration factor                                                                         |
| BLV                        | Biological limit value                                                                          |
| BOD                        | Biochemical oxygen demand                                                                       |
| COD                        | Chemical oxygen demand                                                                          |
| COD                        | Chemical oxygen demand                                                                          |
| DMEL                       | Derived Minimal Effect level                                                                    |
| DNEL                       | Derived-No Effect Level                                                                         |
| EC-No.                     | European Community number                                                                       |
| EC50                       | Median effective concentration                                                                  |
| EN                         | European Standard                                                                               |
| IARC                       | International Agency for Research on Cancer                                                     |
| IATA                       | International Air Transport Association                                                         |
| IMDG                       | International Maritime Dangerous Goods                                                          |

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# Material Safety Data Sheet



**ANTIMONY POTASSIUM TARTRATE AR**

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

**Product Code : 21835**

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|                                           |                                                                              |
|-------------------------------------------|------------------------------------------------------------------------------|
| LC50                                      | Median lethal concentration                                                  |
| LD50                                      | Median lethal dose                                                           |
| LOAEL                                     | Lowest Observed Adverse Effect Level                                         |
| NOAEC                                     | No-Observed Adverse Effect Concentration                                     |
| NOAEL                                     | No-Observed Adverse Effect Level                                             |
| NOEC                                      | No-Observed Effect Concentration                                             |
| OECD                                      | Organisation for Economic Co-operation and Development                       |
| OEL                                       | Occupational Exposure Limit                                                  |
| PBT                                       | Persistent Bioaccumulative Toxic                                             |
| PNEC                                      | Predicted No-Effect Concentration                                            |
| RID                                       | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS                                       | Safety Data Sheet                                                            |
| STP                                       | Sewage treatment plant                                                       |
| ThOD                                      | Theoretical oxygen demand (ThOD)                                             |
| TLM                                       | Median Tolerance Limit                                                       |
| VOC                                       | Volatile Organic Compounds                                                   |
| CAS-No.                                   | Chemical Abstract Service number                                             |
| N.O.S.                                    | Not Otherwise Specified                                                      |
| vPvB                                      | Very Persistent and Very Bioaccumulative                                     |
| ED                                        | Endocrine disrupting properties                                              |
|                                           |                                                                              |
| <b>Full text of H- and EUH-statements</b> |                                                                              |
| Eye Irrit. 2                              | Serious eye damage/eye irritation, Category 2                                |
| Flam. Liq. 2                              | Flammable liquids, Category 2                                                |
| STOT SE 3                                 | Specific target organ toxicity — Single exposure, Category 3, Narcosis       |
| H225                                      | Highly flammable liquid and vapour.                                          |
| H319                                      | Causes serious eye irritation.                                               |
| H336                                      | May cause drowsiness or dizziness.                                           |
| EUH066                                    | Repeated exposure may cause skin dryness or cracking.                        |

Safety Data Sheet (SDS), EU This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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