

CHAITANYA CHS, 2<sup>nd</sup> FLOOR, OFFICE # 206, SIDDHARTH NAGAR, S.V.ROAD, GOREGAON (W), MUMBAI 400062, MH, INDIA.  
 CONTACT: +9122 28725393 /94/ 95 | EMAILID: CARE@SUVCHEM.COM

## MATERIAL SAFETY DATA SHEET (MSDS)

### AMMONIUM OXALATE AR (MONOHYDRATE)

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

##### 1.1. Product identifier

Trade name : AMMONIUM OXALATE AR (MONOHYDRATE)

Product code : A0022300500

Identification of the product : AMMONIUM OXALATE PURIFIED 99%  
 CAS No :6009-70-7

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

Use : Industrial. For professional use only.

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

Company identification : SUVCHEM  
 Chaitanya Tower, 2nd Floor, Office # 206,  
 Siddharth Nagar, S.V. Road,  
 Goregaon (West), Mumbai - 400062,  
 Maharashtra, India.  
 Contact: +91 22 28725393 / 94 / 95  
 Email ID: info@suvchem.com/care@suvchem.com

##### 1.4. Emergency telephone number

Phone no. : + 91 22 28725393 / 94 / 95 (9:00am - 6:00 pm) [ Office hours ]

#### 2. Hazards identification -DSD

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

##### Classification EC 67/548 or EC 1999/45

Classification : Xn; R21

##### Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Health hazards : Acute toxicity, Oral - Category 4 - Warning (CLP : Acute Tox. 4) H302  
 Acute toxicity, dermal - Category 4 - Warning (CLP : Acute Tox. 4) H312

##### 2.2. Label elements

##### Labelling EC 67/548 or EC 1999/45

Symbol(s)



## MATERIAL SAFETY DATA SHEET (MSDS)

### AMMONIUM OXALATE AR (MONOHYDRATE)

#### 2. Hazards identification -DSD (continued)

Symbol(s)	: Xn : Harmful
R Phrase(s)	: R21 : Harmful in contact with skin. R22 : Harmful if swallowed.
S Phrase(s)	: S24 : Avoid contact with skin. S25 : Avoid contact with eyes.

#### Labelling Regulation EC 1272/2008 (CLP)

##### Hazard pictograms



Signal words	: Warning
Hazard statements	: H302 : Harmful if swallowed. H312 : Harmful in contact with skin.
Precautionary statements	
• Prevention	: P280: Wear protective gloves, protective clothing, eye protection, face protection. P264: Wash thoroughly after handling. P270: Do not eat, drink or smoke when using this product.
• Response	: P302+P352: IF ON SKIN : Wash with plenty of soap and water. P301+P312: IF SWALLOWED : Call a POISON CENTER or doctor if you feel unwell. P363: Wash contaminated clothing before reuse.
• Disposal considerations	: P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

#### 2.3. Other hazards

Other hazards	: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.
---------------	---

#### 3. Composition/information on ingredients

Substance / Preparation	: AMMONIUM OXALATE PURIFIED 99% CAS No :6009-70-7 Substance.
-------------------------	--

Contains no other components or impurities which will influence the classification of the product.

#### 4. First aid measures

##### 4.1. Description of first aid measures

## MATERIAL SAFETY DATA SHEET (MSDS)

### AMMONIUM OXALATE AR (MONOHYDRATE)

#### 4. First aid measures (continued)

Inhalation	: Assure fresh air breathing. Allow the victim to rest.
Skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash contaminated clothing before reuse. Wash with plenty of soap and water. Specific treatment (see on this label). Immediately call a POISON CENTER or doctor.
Eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
Ingestion	: Obtain emergency medical attention. Rinse mouth. Call a POISON CENTER or doctor if you feel unwell. Do NOT induce vomiting.

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

Symptoms relating to use	: Repeated exposure to this material can result in absorption through skin causing significant health hazard. Swallowing a small quantity of this material will result in serious health hazard.
--------------------------	---

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

General information	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
---------------------	---

#### 5. Fire-fighting measures

##### 5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.
Surrounding fires	: Use water spray or fog for cooling exposed containers.

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

Hazardous combustion products	: Under fire conditions, hazardous fumes will be present.
-------------------------------	---

##### 5.3. Advice for fire-fighters

Protection against fire	: Do not enter fire area without proper protective equipment, including respiratory protection.
Special procedures	: Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

#### 6. Accidental release measures

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

## MATERIAL SAFETY DATA SHEET (MSDS)

### AMMONIUM OXALATE AR (MONOHYDRATE)

#### 6. Accidental release measures (continued)

**For emergency responders** : Equip cleanup crew with proper protection.  
Ventilate area.

**For non-emergency personnel** : Evacuate unnecessary personnel.

#### 6.2. Environmental precautions

**Environmental precautions** : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

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

**Clean up methods** : On land, sweep or shovel into suitable containers. Minimize generation of dust.  
Store away from other materials.

#### 6.4. Reference to other sections

See section 8. Exposure controls/personal protection

#### 7. Handling and storage

##### 7.1. Precautions for safe handling

**Handling** : Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

**Technical protective measures** : Provide good ventilation in process area to prevent formation of vapour.

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

**Storage** : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

**Storage - away from** : Strong bases. Strong acids. Sources of ignition. Direct sunlight.

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

**Specific end use(s)** : None.

#### 8. Exposure controls/personal protection

##### 8.1. Exposure controls

**Personal protection** : Avoid all unnecessary exposure.

• **Respiratory protection** : Wear approved mask.

• **Hand protection** : Wear protective gloves.

## MATERIAL SAFETY DATA SHEET (MSDS)

### AMMONIUM OXALATE AR (MONOHYDRATE)

#### 8. Exposure controls/personal protection (continued)

- Eye protection : Chemical goggles or safety glasses.
- Others : When using, do not eat, drink or smoke.

#### 8.2. Control parameters

Occupational Exposure Limits : No data available.

#### 9. Physical and chemical properties

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

Physical state at 20 °C	: Solid.
Colour	: White crystalline
Odour	: Odorless
Odour threshold	: No data available.
pH value	: Not applicable.
Melting point [°C]	: 133 °C
Decomposition point [°C]	: N/A
Critical temperature [°C]	: N/A
Auto-ignition temperature [°C]	: N/A
Flammability (solid, gas)	: N/A
Flash point [°C]	: N/A
Boiling point [°C]	: N/A
Initial boiling point [°C]	: N/A
Final boiling point [°C]	: N/A
Evaporation rate	: N/A
Vapour pressure [20°C]	: N/A
Vapour pressure mm/Hg	: N/A
Vapour density	: N/A
Density [g/cm <sup>3</sup> ]	: 1,5
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: 11.8 g/100 g water @
Solubility in water	: N/A
Log Pow octanol / water at 20°C	: No data available.
Solubility	: 6.4 (0.1 molar solut
Viscosity at 40°C [mm <sup>2</sup> /s]	: N/A

##### 9.2. Other information

## MATERIAL SAFETY DATA SHEET (MSDS)

### AMMONIUM OXALATE AR (MONOHYDRATE)

#### 9. Physical and chemical properties (continued)

Explosive properties	: N/A
Explosion limits - upper [%]	: N/A
Explosion limits - lower [%]	: N/A
Oxidising properties	: No data available.

#### 10. Stability and reactivity

##### 10.1. Reactivity

Reactivity : Not established.

##### 10.2. Chemical stability

Chemical stability : Stable under recommended storage conditions.

##### 10.3. Possibility of hazardous reactions

Hazardous reactions : Not established.

##### 10.4. Conditions to avoid

Conditions to avoid : Direct sunlight. Extremely high or low temperatures.

##### 10.5. Incompatible materials

Materials to avoid : Strong acids. Strong bases.

##### 10.6. Hazardous decomposition products

Hazardous decomposition products : Fumes. Carbon monoxide. Carbon dioxide.

#### 11. Toxicological information

##### 11.1. Information on toxicological effects

##### Acute toxicity

- Inhalation : Based on available data, the classification criteria are not met.
- Dermal : Harmful in contact with skin.
- Ingestion : Harmful if swallowed.

##### Corrosion

: Based on available data, the classification criteria are not met.

##### Irritation

: Based on available data, the classification criteria are not met.

##### Sensitization

: Based on available data, the classification criteria are not met.

## MATERIAL SAFETY DATA SHEET (MSDS)

### AMMONIUM OXALATE AR (MONOHYDRATE)

#### 11. Toxicological information (continued)

Mutagenicity	: Based on available data, the classification criteria are not met.
Carcinogenicity	: Based on available data, the classification criteria are not met.
Toxic for reproduction	: Based on available data, the classification criteria are not met.
STOT-single exposure	: Based on available data, the classification criteria are not met.
STOT-repeated exposure	: Based on available data, the classification criteria are not met.
Aspiration hazard	: Based on available data, the classification criteria are not met.

#### 12. Ecological information

##### 12.1. Toxicity

Toxicity information : Not established.

##### 12.2. Persistence - degradability

Persistence - degradability : Biodegradable.

##### 12.3. Bioaccumulative potential

Bioaccumulative potential : Not established.

##### 12.4. Mobility in soil

Mobility in soil : Not established.

##### 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

##### 12.6. Other adverse effects

Environmental precautions : Avoid release to the environment.

#### 13. Disposal considerations

##### 13.1. Waste treatment methods

General : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.  
 Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

**MATERIAL SAFETY DATA SHEET (MSDS)**  
**AMMONIUM OXALATE AR (MONOHYDRATE)**

#### **14.1. Land transport (ADR-RID)**



	
Printer	Printer

<b>Proper shipping name</b>	: CORROSIVE SOLID, N.O.S.
<b>UN N°</b>	: 1759
<b>IMO-IMDG - Class or division</b>	: 8 : Corrosive substance.
<b>IMO-IMDG - Packing group</b>	: III
<b>IMO- IMDG - Packing instructions</b>	: P002 LP02
<b>IMO-IMDG - Limited quantities</b>	: 5 kg
<b>IMO-IMDG - Marine pollution</b>	: Yes
<b>EMS-Nr</b>	: F-A S-B

<b>Proper shipping name</b>	: CORROSIVE SOLID, N.O.S.
<b>UN N°</b>	: 1759
<b>IATA - Class or division</b>	: 8 : Corrosive substance.
<b>IATA - Packing group</b>	: III
<b>IATA - Passenger and Cargo Aircraft</b>	: ALLOWED

## MATERIAL SAFETY DATA SHEET (MSDS)

### AMMONIUM OXALATE AR (MONOHYDRATE)

#### 14. Transport information (continued)

- Passenger and Cargo - Packing instruction	: 860
- Passenger and Cargo - Maximum Quantity/Packing	: 25 kg
IATA - Cargo only	: ALLOWED
- Cargo only - Packing instruction	: 864
- Cargo only - Maximum Quantity/Packing	: 100 kg
IATA - Limited Quantities	: 5 kg
ERG-Nr	: 8L

#### 15. Regulatory information

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

Safety, health and environmental regulations/legislation specific for the substance or mixture	: Ensure all national/local regulations are observed.
REACH Restrictions - Annex XVII	: The components of this product are not subject to restrictions.
REACH Authorisation - Annex XIV	: The components of this product are not subject to authorization.

##### 15.2. Chemical Safety Assessment

Chemical Safety Assessment	: It has not been carried out.
----------------------------	--------------------------------

#### 16. Other information

Revision	: Revision - See : *
Abbreviations and acronyms	: PBT: persistent, bioaccumulative and toxic. vPvB: very persistent and very bioaccumulative
Sources of key data used	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
Further information	: None.

**MATERIAL SAFETY DATA SHEET (MSDS)**  
**AMMONIUM OXALATE AR (MONOHYDRATE)**

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

**DISCLAIMER:**

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- **SUVCHEM** shall not be responsible for any damage resulting from handling or from contact with the above product.
- **SUVCHEM** provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

**End of document**