



CYNOR LABORATORY

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## MATERIAL SAFETY DATA SHEET

Product Name	AMMONIUM CHLORIDE LR
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### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : AMMONIUM CHLORIDE LR

Product code : A0200

Identification of the product: AMMONIUM CHLORIDE 99% EXTRA PURE

CAS No : 12125-02-9

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

againstUse: Industrial. For professional use only.

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

Company identification: CYNOR

National industry, Pipodra GIDC, Surat-394110, Gujarat, India.

Email: cynorlaboratories@gmail.com Mobile No.: +91 8799070507

### 2. Hazards identification -DSD

#### 2.1 Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification : Xn: R22

Xi; R36

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

Eye irritation - Category 2A - Warning (CLP : Eye Irrit. 2) H319

#### 2.2 Label element

Labelling EC 67/548 or EC 1999/45

Symbol(s) :

Xn : Harmful



R Phrase(s) : R22 : Harmful if swallowed.

R36 : Irritating to eyes.

S Phrase(s) : S22 : Do not breathe dust.

Labelling Regulation EC 1272/2008 (CLP)

Hazard pictograms:



Signal words : Warning

Hazard statements : H302 : Harmful if swallowed.

H319 : Causes serious eye irritation.

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** : P301+P312: IF SWALLOWED : Call a POISON CENTER or doctor if you feel unwell.

P305+P351+P338: IF IN EYES : Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

**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 CHLORIDE

CAS No :12125-02-9

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**

**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.

**Eye contact** : Get medical advice. If eye irritation persists : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.

**Ingestion** : Obtain emergency medical attention. Call a POISON CENTER or doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting.

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

Symptoms relating to use : : Swallowing a small quantity of this material will result in serious health hazard. Causes serious eye irritation.

### **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 Specific 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**

#### **For emergency responders:**

Equip cleanup crew with proper protection. Ventilate area.

#### **For non-emergency personnel:**

Evacuate unnecessary personnel.

### **6.2 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 tightly closed

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

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

No additional information available

## **8. Exposure controls/personal protection**

### **8.1 Control parameter**

**Occupational Exposure Limits :** No data available.

### **8.2 Exposure control**

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

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

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

• **Eye protection :** Chemical goggles or safety glasses.

**Others :** When using, do not eat, drink or smoke

## **9. Physical and chemical properties**

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

Physical state at 20 °C : Solid.

Odour : Odorless

Odour threshold : No data available.

pH value : Not applicable.

Melting point [°C] : 340 °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/cm3] : N/A  
Relative density, gas (air=1) : N/A  
Relative density, liquid (water=1) : N/A  
Solubility in water [% weight] : Slightly soluble in  
Solubility in water : N/A  
Log Pow octanol / water at 20°C : No data available.  
Solubility : 4.5-5.5  
Viscosity at 40°C [mm2/s] : N/A

## **9.2 Other information**

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

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

**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 collectionpoint, in accordance with local, regional, national and/or international regulation.

## **14. Transport information**

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

General information : Not regulated.

### **14.2 Sea transport (IMDG) [English only]**

General information : Not regulated.

### **14.3 Air transport (ICAO-IATA) [English only]**

General information : Not regulated.

## **15. Regulatory information**

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

**Safety, health and environmental** : Ensure all national/local regulations are observed.



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**regulations/legislation specific for the substance or mixture**

**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**

**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.

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**End of document**

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