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**AMMONIUM PHOSPHATE DIBASIC (Anhydrous) LR**

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**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier**

**Trade name** : AMMONIUM PHOSPHATE DIBASIC (Anhydrous) LR  
(Di-Ammonium Hydrogen O-phosphate)  
**Product code** : A091  
**Identification of the product** : AMMONIUM PHOSPHATE DIBASIC (Anhydrous) LR  
(Di-Ammonium Hydrogen O-phosphate)  
CAS No : 6009-70-7  
**Chemical Formula** :  $(\text{NH}_4)_2 \text{HPO}_4$

**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**

: Hexon Laboratories Pvt. Ltd.  
65/ 2328 Chembur,  
Tilak Nagar, Mumbai – 400089, Maharashtra  
Ph. No. : 022-25680399, 9028003459  
E-mail : [customercare@hexonlab.com](mailto:customercare@hexonlab.com)  
Web : [www.hexonlab.com](http://www.hexonlab.com)

**2. HAZARDS IDENTIFICATION –DSD****2.1. Classification of the substance or mixture**

**Classification** : Xi; R36/37/38

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

**Health hazards** : Specific Target Organ Toxicity - Single exposure - Respiratory tract irritation - Category 3 - Warning (CLP : STOT SE 3) H335  
Acute toxicity, Oral - Category 4 - Warning (CLP : Acute Tox. 4) H302  
Eye irritation - Category 2A - Warning (CLP : Eye Irrit. 2) H319  
Skin irritation - Category 2 – Warning (CLP : Skin Corr. 2) H315

**2.2. Label elements****Labelling EC 67/548 or EC 1999/45**

**Symbol(s)**



**Symbol(s)** : Xi : Irritant

**R Phrase(s)** : R36/37/38 : Irritating to eyes, respiratory system and skin.

**Contains** : di-AMMONIUM HYDROGEN ORTHOPHOSPHATE ANHYDROUS

## AMMONIUM PHOSPHATE DIBASIC (Anhydrous) LR

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

#### Hazard pictograms



#### Signal words

: Warning

#### Hazard statements

H302 : Harmful if swallowed.  
H319 : Causes serious eye irritation.  
H315 : Causes skin irritation.  
H335 : May cause respiratory irritation.

#### Precautionary statements

##### • Prevention

P280: Wear protective gloves, protective clothing, eye protection, face protection.  
P271: Use only outdoors or in a well-ventilated area.  
P261: Avoid breathing dust, fume, gas, mist, vapours, spray.  
P264: Wash thoroughly after handling.

##### • Response

P270: Do not eat, drink or smoke when using this product.  
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.  
P332+P313: If skin irritation occurs : Get medical advice.  
P305+P351+P338: IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P304+P340: IF INHALED : Remove to fresh air and keep at rest in a position comfortable for breathing.

##### • Storage

P363: Wash contaminated clothing before reuse.  
: P403+P233: Store in well-ventilated place. Keep container tightly closed.  
P405: Store locked up.

##### • 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.

#### Contains

di-AMMONIUM HYDROGEN ORTHOPHOSPHATE ANHYDROUS

### 2.3. Other hazards

#### Other hazards

: The substance does not fulfill 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

: di-AMMONIUM HYDROGEN ORTHOPHOSPHATE ANHYDROUS  
CAS No :7783-28-0  
EC No :231-987-8  
Substance.

Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification
di-AMMONIUM HYDROGEN:		7783-28-0	231-987-8	----	----	Xi; R36/37/38

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ORTHOPHOSPHATE  
ANHYDROUSEye irrit 2 \_ H319  
Skin Irrit. 2 \_ H315  
STOT SE 3 \_ H335

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** : Call a POISON CENTER or doctor if you feel unwell. Remove to fresh air and keep at rest in a position comfortable for breathing.
- Skin contact** : Specific treatment (see on this label). Get medical advice. If skin irritation occurs : Wash with plenty of soap and water. Wash contaminated clothing before reuse.
- Eye contact** : Get medical advice. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists
- 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** : Swallowing a small quantity of this material will result in serious health hazard.  
Causes serious eye irritation.  
Causes skin irritation. May cause respiratory 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. 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**

- For emergency responders** : Equip cleanup crew with proper protection.  
Ventilate area
- Special precautions** : No naked lights. No smoking

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For non-emergency personnel : May cause fire or explosion; strong oxidizer  
: 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  
Avoid release to the environment

**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. Use only outdoors or in a well-ventilated area  
Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.  
Technical protective measures Provide good ventilation in process area to prevent formation of vapour  
Special precautions Avoid breathing dust, fume, gas, mist, vapours, spray

**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., Heat sources

**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.  
• Skin protection : Wear suitable protective clothing.  
• 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**

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Physical state at 20 °C	: Solid.
Colour	: Colorless crystals
Odour	: Odorless
Odour threshold	: No data available
pH value	: Not applicable.
Melting point [°C]	: 155 °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
Vapor pressure [20°C]	: N/A
Vapor pressure mm/Hg	: N/A
Vapor density	: N/A
Density [g/cm <sup>3</sup> ]	: 1,62
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: 132.1 g/l at 20 °C
Solubility in water	: N/A
Log Pow octanol / water at 20°C	: No data available.
Solubility	: 8
Viscosity at 40°C [mm <sup>2</sup> /s]	: N/A

**9.2. Other information**

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

**10. Stability and reactivity****10.1. Reactivity**

Reactivity	: Not established.
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**10.2. Chemical stability Chemical stability**

: Stable under recommended storage conditions .

**10.3. Possibility of hazardous reactions**

Hazardous reactions	: Not established.
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**10.4. Conditions to avoid**

Conditions to avoid	: Direct sunlight. Extremely high or low temperatures.
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**10.5. Incompatible materials**

Materials to avoid	: Strong acids. Strong bases.
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**10.6. Hazardous decomposition products**

Products	: Fumes. Carbon monoxide. Carbon dioxide.
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### 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 : Harmful if swallowed
- Corrosion : Based on available data, the classification criteria are not met..
- Irritation : Causes serious eye irritation.  
Causes skin irritation.  
May cause respiratory irritation.

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

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**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.

**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**

**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.

**List of relevant R phrases (heading 3)** : R36/37/38 : Irritating to eyes, respiratory system and skin.

**List of full text of H-statements** : H315 : Causes skin irritation

**in section 3** : H319 : Causes serious eye irritation

: H335 : May cause respiratory irritation

**Further information** : None

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

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