

# Material Safety Data Sheet



ADENINE SULPHATE AR

VERSION : 02  
DATE OF ISSUE : 26-08-2019  
SUPERSEDES : 01

Product Code : 21200

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

### **1.1. Product identifier**

Trade name : ADENINE SULPHATE AR

Product code : 21200

Identification of the product : ADENINE SULFATE AR

CAS No :321-30-2

### **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 : MOLYCHEM

Office: 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai – 400 002 (INDIA) Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442.

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 -DSD**

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

Classification EC 67/548 or EC 1999/45

Not classified.

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

Not classified.

### **2.2. Label elements**

Labelling EC 67/548 or EC 1999/45

Not classified.

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

S24/25 : Avoid contact with skin and eyes.

Labelling Regulation EC 1272/2008 (CLP)

Not classified.

### **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 : ADENINE SULFATE AR

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Substance.

**Hazardous component(s)** : This product is hazardous.

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** : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

**Ingestion** : Obtain emergency medical attention. Rinse mouth. Do NOT induce vomiting.

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

**Symptoms relating to use** : Not expected to present a significant hazard under anticipated conditions of normal use.

### **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.

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

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## 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 hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

**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.
- **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.

**Odour threshold :** No data available.

**pH value :** Not applicable.

**Melting point [°C] :** 205 °C

**Decomposition point [°C] :** N/A

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**Critical temperature [°C]** : Not applicable.  
**Auto-ignition temperature [°C]** : No data available.  
**Flammability (solid, gas)** : N/A  
**Flash point [°C]** : Not applicable.  
**Boiling point [°C]** : N/A  
**Initial boiling point [°C]** : Not applicable.  
**Final boiling point [°C]** : Not applicable.  
**Evaporation rate** : N/A  
**Vapour pressure [20°C]** : No data available.  
**Vapour pressure mm/Hg** : N/A  
**Vapour density** : N/A  
**Density [g/cm<sup>3</sup>]** : N/A  
**Relative density, gas (air=1)** : N/A  
**Relative density, liquid (water=1)** : N/A  
**Solubility in water [% weight]** : N/A  
**Solubility in water** : No data available.  
**Log Pow octanol / water at 20°C** : No data available.  
**Solubility** : N/A  
**Viscosity at 40°C [mm<sup>2</sup>/s]** : No data available.

## 9.2. Other information

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

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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** : 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.

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## **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** : Ensure all national/local regulations are observed.  
**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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