



CYNOR LABORATORY

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## MATERIAL SAFETY DATA SHEET

Product Name	AMMONIUM BICARBONATE (Ammonium Hydrogen Carbonate)
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### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : AMMONIUM BICARBONATE (Ammonium Hydrogen Carbonate)

Product code : A0187

Identification of the product: AMMONIUM BICARBONATE

CAS No : 1066-33-7

#### 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

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

#### 2.2 Label element

Labelling EC 67/548 or EC 1999/45

Symbol(s) : Xn : Harmful



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

S Phrase(s) : S14 : Keep away from .

Labelling Regulation EC 1272/2008 (CLP)

#### Hazard pictograms



Signal words : Warning

Hazard statements : H302 : Harmful if swallowed.

#### Precautionary statements

Prevention : 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.

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 BICARBONATE (Ammonium Hydrogen Carbonate)

CAS No: 1066-33-7

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**

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. Rinse mouth. Call a POISON CENTER or doctor if you feel unwell.

#### **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.

#### **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**

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 : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. 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** : 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.

##### **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 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 threshold : No data available.

pH value : No data available.

Melting point [°C] : 107.5°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] : 67.1 hPa

Vapour pressure mm/Hg : N/A

Vapour density : 2,73

Density [g/cm3] : 1,58

Relative density, gas (air=1) : N/A

Relative density, liquid (water=1) : N/A

Solubility in water [% weight] : 79.1 g/l

Solubility in water : N/A

Log Pow octanol / water at 20°C : No data available.

Solubility :7-8.5

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

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 : Suspected of causing cancer.

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 RegulationREACH.

### **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**

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



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**Further information :** None.

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**End of document**

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