



**CYNOR LABORATORY**

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

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

**MATERIAL SAFETY DATA SHEET**

<b>Product Name</b>	<b>SODIUM CARBONATE ANHYDROUS</b>
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**1. Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

Trade name : SODIUM CARBONATE ANHYDROUS

Product code : S0125

Identification of the product : Sodium carbonate

CAS No : 497-19-8

**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: CYNOR

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**2. Hazards identification -DSD**

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

Classification EC 67/548 or EC 1999/45

Classification : Xi; R36

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

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

**2.2. Label elements**

Labelling EC 67/548 or EC 1999/45

Symbol(s) : Xi : Irritant



**R Phrase(s)** : R36 : Irritating to eyes.

**S Phrase(s)** : S2 : Keep out of the reach of children.

S22 : Do not breathe dust.

S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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

**Hazard pictograms**



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**Signal words** : Warning

**Hazard statements** : H319 : Causes serious eye irritation.

**Precautionary statements**

• **General** : P102: Keep out of reach of children.

P103: Read label before use.

P101: If medical advice is needed, have product container or label at hand.

• **Prevention** : P280: Wear protective gloves, protective clothing, eye protection, face protection.

P264: Wash thoroughly after handling.

• **Response** : 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.

### **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** : Sodium carbonate pure

CAS No :497-19-8

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

**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** : 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).



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### **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.

#### **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. Store away from other materials. Collect spillage.

#### **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.

**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)**



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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** : No data available.

**Melting point [°C]** : 851 °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]** : 400<sup>0</sup>C

**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>]** : 2,532

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

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

**Solubility in water [% weight]** : 106 g/l at 20 °C - c

**Solubility in water** : N/A

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

**Solubility** : 12 at 106 g/l at 25

**Viscosity at 40°C [mm<sup>2</sup>/s]** : N/A

#### **9.2. Other information**



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**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 :** Causes serious eye 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**



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**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.

### **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.



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### **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**

**Prepared by:** CYNOR

**For questions contact:** CYNOR

**Office:** CYNOR

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

**Email:** [cynorlaboratories@gmail.com](mailto:cynorlaboratories@gmail.com) **Mobile No.:** +91 8799070507

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