

Material Safety Data Sheet (MSDS)

Product Name: Sodium Carbonate Anhydrous

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

Rawpharma Biz Pvt Ltd
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1. Identification of the Substance/Preparation and Company

- **Product Name:** Sodium Carbonate Anhydrous
- **Synonyms:** Soda Ash, Disodium Carbonate, Washing Soda
- **Recommended Use:** Used in glass manufacturing, detergents, pH control, and as a laboratory reagent.

2. Hazard Identification

- **Classification (GHS):** Eye Irritation Category 2A
- **Signal Word:** Warning
- **Hazard Statements:**
 - H319: Causes serious eye irritation.
- **Precautionary Statements:**
 - P264: Wash hands thoroughly after handling.

- P280: Wear protective gloves/eye protection.
- P305 + P351 + P338: IF IN EYES — Rinse cautiously with water for several minutes.

3. Composition / Information on Ingredients

This product contains **Sodium Carbonate Anhydrous (CAS No. 497-19-8)** as the sole ingredient with a purity of **not less than 99%**.

It is a single-component inorganic compound with no additives or impurities contributing to its classification.

4. First Aid Measures

- **Eye Contact:** Rinse immediately with plenty of water for at least 15 minutes. Seek medical attention.
- **Skin Contact:** Wash thoroughly with soap and water. Remove contaminated clothing.
- **Inhalation:** Move to fresh air. If breathing difficulties occur, seek medical help.
- **Ingestion:** Rinse mouth and drink plenty of water. Do not induce vomiting. Seek medical assistance.

5. Fire Fighting Measures

- **Suitable Extinguishing Media:** Water spray, dry chemical, foam, or CO₂.
- **Special Hazards:** Non-combustible; may release CO₂ when heated.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus.

6. Accidental Release Measures

- Avoid dust formation.
- Sweep up and place in suitable container for disposal.
- Ventilate the area and wash residue with water.

7. Handling and Storage

- **Handling:** Avoid contact with eyes and skin. Use in well-ventilated areas.
- **Storage:** Store in a cool, dry place away from moisture and acids. Keep container tightly closed.

8. Exposure Controls / Personal Protection

- **Occupational Exposure Limits:** Not established.
- **Engineering Controls:** Use adequate ventilation.
- **Personal Protective Equipment:**
 - Eye Protection: Safety goggles.
 - Hand Protection: Chemical-resistant gloves.
 - Respiratory Protection: Dust mask if dust forms.

9. Physical and Chemical Properties

- **Appearance:** White, crystalline powder
- **Odor:** Odorless
- **pH (1% Solution):** ~11.5
- **Melting Point:** 851°C
- **Boiling Point:** Decomposes
- **Solubility:** Soluble in water
- **Specific Gravity:** 2.53
- **Molecular Weight:** 105.99 g/mol

10. Stability and Reactivity

- **Stability:** Stable under normal storage conditions.
- **Incompatible Materials:** Acids, aluminum, moisture.
- **Decomposition Products:** Sodium oxide, carbon dioxide.

11. Toxicological Information

- **Acute Toxicity (Oral, Rat):** LD₅₀ = 4090 mg/kg
- **Skin Irritation:** Mild
- **Eye Irritation:** Causes serious irritation
- **Chronic Effects:** None known

12. Ecological Information

- **Ecotoxicity:** Low toxicity to aquatic organisms.
- **Persistence and Degradability:** Inorganic substance; not biodegradable.
- **Bioaccumulation Potential:** None expected.

13. Disposal Considerations

- Dispose of in accordance with local, regional, and national regulations.
- Do not discharge into drains or environment.

14. Transport Information (Detailed)

- **UN Number:** Not regulated
- **UN Proper Shipping Name:** Not applicable
- **Transport Hazard Class:** Not classified as hazardous for transport
- **Packing Group:** Not applicable
- **Environmental Hazards:** Not considered environmentally hazardous

Detailed Transport Information:

Sodium Carbonate Anhydrous is classified as **non-hazardous material** under transport regulations such as **ADR (Road)**, **RID (Rail)**, **IMDG (Sea)**, and **IATA (Air)**.

- **ADR/RID:** Not regulated; can be transported in sealed, moisture-proof bags or drums.
- **IMDG Code:** Not listed as a marine pollutant; ensure packaging prevents moisture ingress.
- **IATA:** Safe for air transport under normal packaging.
- **Label Requirements:** None required for hazard transport.

- **Bulk Transport:** Ensure containers are sealed to prevent spillage or dust generation.
- **Precautionary Handling During Transit:**
 - Avoid moisture contact.
 - Keep away from acids and reactive materials.
 - Avoid rough handling or dropping containers.

15. Regulatory Information

- **Labeling According to GHS:** Eye Irritant (Category 2A)
- **Hazard Symbol:** 
- **Regulatory Status:** Complies with REACH, TSCA, and Indian Chemical Regulations.

16. Other Information

- **Disclaimer:**

The information provided is believed to be accurate and reliable to the best of our knowledge. However, it is provided without warranty, and the company shall not be held liable for any damage resulting from handling or contact with the product.
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.