

Material Safety Data Sheet (MSDS)

Product Name: Soda Ash Light
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:** Soda Ash Light
- **Chemical Name:** Sodium Carbonate
- **Synonyms:** Washing Soda, Disodium Carbonate
- **CAS No.:** 497-19-8
- **Molecular Formula:** Na_2CO_3
- **Molecular Weight:** 105.99 g/mol

2. Hazards Identification

- **Classification (GHS):** Eye Irritation Category 2
- **Signal Word:** Warning
- **Hazard Statements:**
 - Causes serious eye irritation.

- May cause respiratory irritation if dust is inhaled.
 - **Precautionary Statements:**
 - Wear protective goggles and gloves.
 - Avoid breathing dust.
 - Wash thoroughly after handling.
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3. Composition / Information on Ingredients

- **Sodium Carbonate:** 99% min
 - **Impurities:** Water-insoluble matter <0.05%
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4. First Aid Measures

- **Inhalation:** Move to fresh air, seek medical advice if irritation persists.
 - **Skin Contact:** Wash with plenty of water, remove contaminated clothing.
 - **Eye Contact:** Rinse cautiously with water for several minutes, seek immediate medical attention.
 - **Ingestion:** Rinse mouth, give water to drink, do not induce vomiting, seek medical advice.
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5. Fire Fighting Measures

- **Flammability:** Non-flammable.
 - **Suitable Extinguishing Media:** Use extinguishing measures appropriate for surrounding fire.
 - **Special Protective Equipment:** Firefighters should wear protective clothing and self-contained breathing apparatus.
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6. Accidental Release Measures

- **Personal Protection:** Avoid dust formation, use personal protective equipment.
- **Environmental Precautions:** Prevent large amounts from entering drains.
- **Cleanup Methods:** Sweep up and place in suitable container for disposal. Wash area with water.

7. Handling and Storage

- **Handling:** Avoid dust generation, use in well-ventilated areas, wear protective equipment.
- **Storage:** Store in a cool, dry, and well-ventilated place. Keep container tightly closed. Protect from moisture.

8. Exposure Controls / Personal Protection

- **Exposure Limits (OSHA PEL):** 15 mg/m³ (total dust), 5 mg/m³ (respirable fraction).
- **Engineering Controls:** Provide adequate ventilation.
- **Personal Protection:**
 - Respiratory: Use dust mask or respirator.
 - Eye: Safety goggles.
 - Skin: Gloves and protective clothing.

9. Physical and Chemical Properties

- **Appearance:** White crystalline powder or granular solid.
- **Odor:** Odorless
- **pH (10% solution):** ~11.5
- **Melting Point:** 851 °C
- **Boiling Point:** Decomposes
- **Solubility:** Soluble in water
- **Density:** 2.53 g/cm³

10. Stability and Reactivity

- **Stability:** Stable under recommended storage conditions.
- **Incompatible Materials:** Acids, aluminum, zinc.
- **Decomposition Products:** Carbon dioxide, sodium oxide.

11. Toxicological Information

- **Acute Toxicity:** LD50 Oral (rat): 2800 mg/kg.
- **Skin Contact:** May cause mild irritation.
- **Eye Contact:** Causes serious irritation.
- **Inhalation:** Prolonged exposure to dust may cause irritation of respiratory tract.

12. Ecological Information

- **Aquatic Toxicity:** May cause temporary increase in pH, affecting aquatic organisms.
- **Persistence/Degradability:** Inorganic substance, does not biodegrade.
- **Bioaccumulation:** Not expected to bioaccumulate.

13. Disposal Considerations

- **Waste Disposal Method:** Dispose of in accordance with local regulations. Neutralize with dilute acid before disposal if required. Avoid release into environment.

14. Transport Information (Detailed)

- **UN Number:** Not regulated
- **UN Proper Shipping Name:** Not classified as dangerous goods
- **Transport Hazard Class:** Non-hazardous for transport by road (ADR/RID), sea (IMDG), or air (IATA).
- **Packing Group:** Not applicable
- **Environmental Hazards:** Not a marine pollutant
- **Special Precautions for User:**
 - Avoid generating dust during transport.
 - Containers should be kept tightly closed and secured to prevent leakage.
 - Store and transport away from acids and moisture-sensitive substances.
- **Transport in Bulk (Annex II of MARPOL/IBC Code):** Not applicable.

- **Additional Notes:** Soda Ash Light is stable, non-flammable, and generally safe for transportation. However, ensure good packaging integrity to avoid product loss and dust formation.

15. Regulatory Information

- **OSHA Hazards:** Irritant
- **TSCA Inventory:** Listed
- **EINECS No.:** 207-838-8
- **Regulation Compliance:** Complies with Indian Factories Act and international chemical safety standards.

16. Other Information

- **Training Advice:** Workers should be trained on handling soda ash safely.
- **Recommended Use:** Detergents, glass industry, chemicals, pulp & paper, water treatment.
- **Disclaimer:** Information provided is believed to be accurate but without any warranty. User must ensure suitability for specific application.
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.