

MATERIAL SAFETY DATA SHEET

SODIUM CARBONATE

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Sodium Carbonate	Supplier:	ASES CHEMICAL WORKS.
Synonyms:	Disodium Carbonate, Carbonic Acid Sodium Salt/Soda Ash	Address:	Brahm Bagh, Jalori Gate Jodhpur - 342001 Rajasthan-India
INCI Name:	Sodium Carbonate	Phone:	+91-9636889954
CAS Number:	497-19-8	Web:	www.ases.in
Chemical Formula:	Na ₂ CO ₃	Email :	ecom@ases.in
Product Form:	Powder / Granules		
Product Use:	Used as industrial Raw Material.		

2 HAZARDS IDENTIFICATION**Classification of the substance or mixture:**

Eye Irritant - Category 2A

Label Elements:**Signal :** Warning**Hazard and precautionary statements**

H319	Causes serious eye irritation
P264	Wash skin thoroughly after handling
P280	Wear eye protection/face protection
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.

Hazards Not Otherwise Classified Or Not Covered By GNS: None**3 COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS No	EC No	Concentration
Sodium Carbonate	497 - 19 - 8	207 - 838 - 8	99%

4 FIRST AID MEASURES**Inhalation:** If inhaled, removed to fresh air. Get medical attention if symptoms appear.**Eye Contact:** Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.**Skin Contact:** Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.**Inhalation:** If inhaled, removed to fresh air. Get medical attention if symptoms appear.**Ingestion:** Get medical attention. Do not induce vomiting unless directed by medical personnel.**5 FIRE-FIGHTING MEASURES****Suitable extinguishing media :** Use extinguishing agent suitable for type of surrounding fire..**Special Hazards Arising From The Substance Or Mixture:** Fumes of sodium oxide. Carbon oxides (COx).**Fire-Fighting/Further Advice:** Wear self-contained breathing apparatus for firefighting if necessary.**Special Protective Equipment For Firefighters:** Wear self-contained breathing apparatus and personal protective equipment.**6 ACCIDENTAL RELEASE MEASURES****Personal precautions:** Use personal protective equipment. Ensure adequate ventilation.**Environmental precautions:** Do not discharge into drains/surface waters/groundwater..**Methods for cleaning:** Prevent dust cloud formation. Pick up mechanically. Clean contaminated surfaces with an excess of water. Dispose of absorbed material in accordance with the regulations.

7 HANDLING & STORAGE

Handling:	No further requirements
Storage:	Store in original container. Keep container tightly closed.
Incompatible Substances:	Aluminum, powdered aluminum and acids

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment :	Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.
Respiratory Protection:	Required when vapours / aerosols are generated.
Eye protection:	Required. Safety/Splash goggles
Skin & Hand protection:	Wear suitable protective clothing. Protective shoes or boots. Wear impervious gloves when handling solutions (rubber, neoprene).
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White granular powder	pH (@ 20°C):	~11.6
Form :	Powder / Granules	Relative Density (25°C):	Light - 550 to 750 g/l
Odor:	Odourless		Dense - 951 to 1250 g/l
Boiling Point:	Decomposes	Solubility:	Soluble in water(@20°C)
Evaporation Rate:	Not Available	Vapor Pressure:	Not Available
Flash Point :	Not Available	Vapor Density:	Not Available
Melting Point/Freezing Point:	851°C		

10 STABILITY AND REACTIVITY

Reactivity:	No dangerous reaction known under conditions of normal use
Chemical Stability:	Stable under normal temperature conditions
Hazardous Polymerization:	None under normal processing.
Conditions to Avoid:	Exposure to air or moisture over prolonged periods.
Incompatible Materials:	Aluminum, powdered aluminum and acids.
Hazardous Decomposition Products:	Sodium Oxides, Carbon oxides (COx)

11 TOXICOLOGICAL INFORMATION**Acute toxicity**

Eye	Severe irritant
Skin -	Mild irritant
LD 50 (Oral rat)	4090 mg/kg
Chronic	Excessive, long term contact may produce "soda ulcers" on hands and perforation of the nasal septum. Sensitivity reactions may occur from prolonged and repeated exposure.
Inhalation	May cause irritation to the respiratory system
Ingestion	May cause discomfort if swallowed

The product should be handled with the care usual when dealing with chemicals

12 ECOLOGICAL INFORMATION**Ecotoxic effects :**

Quantitative data on the ecological effect of this product are not available.

Further ecologic data :

No ecological problems are to be expected when the product is handled and used with due care and attention.

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13 DISPOSAL CONSIDERATIONS

Disposal methods: Soda Ash is not a listed hazardous waste under 40 CFR 261. However, state and local regulations for waste disposal may be more restrictive. Dispose of waste material as per accordance with applicable local, provincial and federal regulations. Do not dispose of waste with normal garbage, or to sewer systems.

Packaging treatment: Clean container with water. Dispose of rinse water in accordance with local and national guidelines.

14 TRANSPORT INFORMATION

US DOT Shipping Description (Land) : Not classified as a dangerous good under transport regulations

IMO-IMDG Shipping Description (Sea) : Not classified as a dangerous good under transport regulations

IATA Shipping Description (Air) : Not classified as a dangerous good under transport regulations

15 REGULATORY INFORMATION

Not subject to EC Directives

16 OTHER INFORMATION

Disclaimer & Caution

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and ASES CHEMICAL WORKS assume no liability resulting from its use.