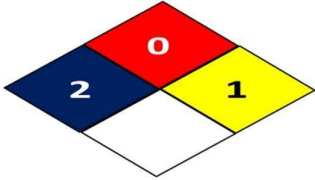

	RSPL Limited (Soda Ash Division)	Rev No.: - 01
	SODA ASH	Rev date: - 14/10/2022

## Material Safety Data Sheet

### 1. Product and Company Information

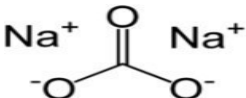
Product Identifier	
Product Name	Soda Ash
Synonyms	Sodium Carbonate, anhydrous; Di-sodium carbonate
Common Name	Washing Soda
Chemical Family	Alkali Group
CAS No.	497-19-8
Company Name and Address	RSPL Limited (Soda Ash Division) Survey No. 471, Vill: - Kuranga, Taluka: - Dwarka, Distt: - Dev Bhoomi Dwarka Gujarat - 361335

### 2. Hazard Identification

Hazard Classification	NEFA Classification Health Hazard      2 Fire Hazard         0 Reactive Hazard    1 Specific Hazard 
GHS Label elements	 H319 (Cause serious eye irritation) Signal - Warning

Precautionary Statement - Prevention	<p>P264 – Wash face, hands and any exposed skin thoroughly after handling.</p> <p>P280 – Wear protective gloves/ Eye protection/ Face protection</p> <p>P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing</p> <p>P337+P313 – If eye irritation persists; Get medical advice/attention.</p>
Other Information	<p>May be harmful if swallowed.</p> <p>Prolonged or repeated contact may dry skin and cause irritation.</p>

### 3. Composition /Information and Ingredients

Chemical Name	Sodium Carbonate	#CAS No.	497-19-8
Molecular Formula	$\text{Na}_2\text{CO}_3$	Molecular Weight	105.9885 g/mol
Chemical family	Alkali Salt	Structural Formula	

### 4. First and Measure

Eye Contact	Rinse immediately with plenty water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Skin Contact	Wash off with warm water. Get medical attention if irritation develops and persists. Wash contaminated clothing before use.
Inhalation	Remove from area to fresh air. If signs/symptoms continue, get medical attention.
Ingestion	Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.
Most important symptoms/ effects, acute and or delayed	Causes serious eye damage / eye irritation.
Indication of immediate medical attention and special treatment needed, if necessary	Treat symptomatically

### 5. Fire-Fighting Measures

Suitable Extinguishing Media	Water fog, carbon dioxide, foam, dry chemical.
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Specific Hazards Arising from the Chemical	Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes
Hazardous Combustion Products	Fumes of sodium oxide. Carbon oxides (COx).
Protective equipment and precautions for firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, and full protective gear.

#### 6. Accidental release measures

Personal precaution	Avoid dust formation. Sweep up to prevent slipping hazard.
Precautions for the environment	Do not flush into surface water or sanitary sewer system. Prevent from entering sewers, waterways, or low areas.
Clean up method	Scoop up and remove.

#### 7. Handling and Storage

Precautions for safe handling	Avoid contact with eyes, skin, or clothing. Avoid creating or inhaling dust. Ensure adequate ventilation. Wash hands after use. Launder contaminated clothing before reuse. Use appropriate protective equipment.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice
Storage	Stored under covered shed and humidity free area.
Incompatibilities	Aluminium. Powdered Alumina. Acids

#### 8. Exposure Controls/ Personal Protection

<div>      </div> Personal Protective equipment	
Control Parameters	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies Local nuisance dust standards apply.
Engineering Measures	Use in a well-ventilated area. Localized ventilation should be used to control dust levels.

Individual protection measures, such as personal protective equipment	
Eye/Face protection	Tightly fitting safety goggles.
Skin and Body Protection	Wear suitable protective clothing. Protective shoes or boots.
Hand Protection	Nitrile rubber, Neoprene gloves.
Respiratory Protection	If engineering controls and work practices cannot keep exposure below occupational exposure limits or if exposure is unknown, wear a NIOSH certified, European Standard EN 149, AS/NZS 1715:2009, or equivalent respirator when using this product. Selection of and instruction on using all personal protective equipment, including respirators, should be performed by an Industrial Hygienist or other qualified professional.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Make sure the locations of the eye washers and safety showers are close to the workstation locations

## 9. Physical and chemical Properties

Information on basic physical and chemical properties	
Appearance	White powder
Physical State	Solid
Color	White
Odor	Odorless
Odor threshold	Not Applicable
pH	11.6 (1% solution in water)
Freezing point	No data available
Melting point	851.0° C
Boiling point	No data available
Flammability	No data available
Bulk density	550-720 kg/m <sup>3</sup>
Solubility in water at 20°C	212.5 gm/Liter

## 10. Stability and Reactivity

Reactivity	No expected to be reactive
Chemical stability	Stable under dry ambient temperature
Possibility of hazardous reactions	Will not occur
Condition to avoid	Contract with acids will release carbon dioxide, heat. Contract with lime dust in the presence of moisture can Produce corrosive sodium hydroxide.

Incompatible material	Strong acids
Hazardous decomposition products	When heated to decomposition, Carbon di-oxide is released.

## 11. Toxicological Information

Routes of exposure	Eye or Skin contact, Skin contact
A. Acute Toxicity	
Inhalation	May cause mild respiratory irritation.
Eye contact	Causes eye irritation.
Skin contact	No irritating to skin in rabbits
Ingestion	Irritation of the mouth, throat, and stomach.
B. Chronic Effects/Carcinogenicity	
Carcinogenicity effect	Not recognized as carcinogenic by Research Agencies (IARC, NTP, OSHA, ACGIH).

### Toxicological data for the component

Substance	CAS No.	LD <sub>50</sub> Oral	LD <sub>50</sub> Dermal	LC <sub>50</sub> Inhalation
Sodium carbonate	497-19-8	4090 mg/kg Rat	2210 mg/kg Mouse	24 hr---800 mg/m3

Substances	CAS Number	Skin corrosion/irritation
Sodium Carbonate	497-19-8	Non – irritating to the skin

Substances	CAS Number	Serious eye damage / irritation
Sodium Carbonate	497-19-8	Irritating to eyes

Substances	CAS Number	Skin sensitization
Sodium Carbonate	497-19-8	Not classified

## 12. Ecological Information

Mobility in Soil	No Information available
Bio accumulative Potential	No Information available
Effects on fish (Ecotoxicity)	Fishes LC50, 96 h, 300 mg/L
Toxicity to Algae	EC50 242 mg/L (Nitzschia)
Effects on birds	No data available
Effects on bees	No data available

Other adverse effects	No Information available
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### 13. Disposal consideration

#### Waste treatment method

Disposal Method	Bury in licensed landfill according to federal, state, and local regulations.
Contaminated Packaging	Follow all applicable national or local regulation.

### 14. Transport Information

UN Number	-
Proper Shipping Name	-
Transport Hazard class	-
Packing group.	-
Environmental Hazard	-

IMDG/IMO No.	-
ICAO/IATA	-
TDG	-
Warning statement	-
Packaging/Precaution	
Shipping Marking	

## 15. Regulatory Information

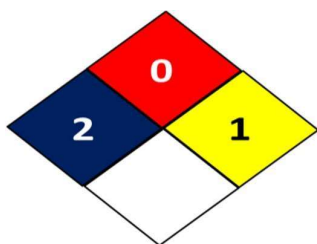
Phrases R		Phrases S	
R36	Irritating to eyes	S22	Don't breathe dust
R37	Irritating to respiratory system	S24	Avoid contact with skin
R38	Irritating to skin	S25	Avoid contact with eyes
		S26	In case of contact with eyes, rinse with plenty of water and get medical attention.

## 16. Other Information

### NFPA Rating

Health Hazard	2
Flammability Hazard	0
Reactive Hazard	1
Special Hazard	

### NFPA Label



The information contained herein is based on our best current technical knowledge of the product concerned and is given in good faith. The attention of end users is drawn to (amongst other things) the element of risk consequent to the use of the product for purposes other than that for which it was intended. In no way does the document remove the need for the user of this product to fully understand and apply statutory requirements. It is the user's sole responsibility to take due precautions relative to the use made of the product. All the information included herein is intended onto to assist the reader in fulfilling his or her statutory duty connected with the use of hazardous materials. This list of information must not be considered as exhaustive and does not exonerate the reader from taking other precautions described in documents other than those mentioned concerning the storage and use of the product for which he or she remains the sole person responsible

----- End Of MSDS-----