

**ENVKEM INDUSTRIAL SOLUTIONS**

An ISO 9001:2008 Certified Company



## MSDS FOR SODIUM CARBONATE ( SODA ASH )

### 1. IDENTIFICATION OF CHEMICAL PRODUCT AND SUPPLIER

**PRODUCT NAME** : SODIUM CARBONATE (SODA ASH)  
**PRODUCT / PART No** : ENVKEM - 628  
**PRODUCT IDENTIFICATION** : Soda ash dense , Soda ashlight  
**Other Names** : Nil  
**Recommended Use** : General chemical.  
**Formula** :  $\text{Na}_2\text{CO}_3$   
**Chemical family** : Inorganic salt

**Supplier:** ENVKEM INDUSTRIAL SOLUTIONS  
No:9, Rajaji Street, Ramakrishna Nagar  
Valasaravakkam. Chennai -600087  
Phone : 044- 2486 3868, 2486 5956

### 2. HAZARDS IDENTIFICATION

#### HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS

**Hazard Category:** Xi: irritant Corrosive,  
**Risk phrases:** R36: Irritating to eyes.  
**Safety phrases:** S22; Do not breathe dust S25; Avoid contact with eyes. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/39 Wear suitable protective clothing and eye/face protection.

**SUSDP Classification:** Nil  
**ADG Classification:** Nil

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Synonyms:** Nil  
**Appearance:** Greyish white powder; hygroscopic (on exposure to air, will gradually absorb water).

**Ingredients:**

Chemical Name	CAS No	Proportion	Risk Pharses
Sodium carbonate,	497-19-8	>99 %	R36

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS)

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#### 4. FIRST AID MEASURES

Poison Information Centres in each state can provide additional assistance for scheduled poisons. Phone 131126 from anywhere in Australia.

**Ingestion:**

Rinse mouth with water. Do NOT induce vomiting. Give water to drink. Seek medical advice.

**Eye Contact:**

Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for AT LEAST 15 minutes, by the clock, holding the eyelid(s) open. Remove clothing if contaminated and wash skin. If irritation occurs seek medical attention.

**Skin Contact:**

Wash contaminated skin with plenty of water. Remove contaminated clothing and wash before re-use. If irritation persists, seek medical advice.

**Inhalation:**

Remove source of contamination or move victim to fresh air. Obtain medical advice immediately.

**Other First Aid:**

Provide general supportive measures (comfort, warmth, rest). Consult a physician and/or the nearest Poison Information Centre.

**Notes to physician:**

Treat symptomatically as for alkali solutions.

#### 5. FIRE FIGHTING MEASURES

**Specific hazards:**

Non-combustible material

**Fire fighting further advice:**

Not combustible. Decomposes on heating emitting toxic fumes. Fire fighters to wear self contained breathing apparatus and suitable protective clothing if at risk of exposure to decomposition products.

**Suitable Extinguishing media:**

Water fog (or if unavailable fine water mist or spray), foam, dry agent (carbon dioxide, dry chemical powder).

#### 6. ACCIDENTAL RELEASE MEASURES

**Small Spills:**

Avoid breathing dust. Sweep up. Collect and seal in properly labelled drums. Wash remaining area with large volumes of water.

**Large Spills:**

**PRECAUTIONS** Restrict access to area. Clear area of unprotected personnel. Provide adequate protective equipment and ventilation. Remove chemicals which can react with the spilled material.

**CLEANUP** Contain spill or leak. Do not allow entry into sewers or waterways.

Spilled solutions should be contained by dyking with inert material, such as sand or earth. Solutions can be recovered or carefully diluted with water.

**DISPOSAL** Federal, state and local regulations should be reviewed prior to disposal. May be possible to dilute and flush the material into a sewer. May be possible to atomise dilute solutions in an approved combustion chamber. May be harmful to aquatic life in high concentrations.

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## 7. HANDLING AND STORAGE

**HANDLING** Avoid generating dust. When making a solution, add material to water. Label containers. Keep containers closed when not in use.

**STORAGE CONDITIONS** Store in suitable labelled containers. Keep containers tightly closed when not in use and when empty. Protect from damage..

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Standards:** No values assigned by NOHSC Australia. Nuisance dust 8hr TWA 10mg/m<sup>3</sup>.

**Engineering Controls:** Use in well-ventilated area. Keep containers closed when not in use.

**Personal Protection:** Wear overalls and impervious gloves. In solution spray or mist of use goggles or other suitable eye protection. If dust generated use suitable dustmask.

## 9. PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Greyish white powder.
Odour threshold:	Not available
Specific Gravity:	approx 0.5 bulk density
Flash Point:	Non-combustible (does not burn)
Flammability limits	Non-flammable
pH:	11.5 (1% solution)
Solubility in water:	20% at 20 deg C.

## 10. STABILITY AND REACTIVITY

### INCOMPATIBILITY –

Reacts with acids, releasing carbon dioxide gas. Hygroscopic.

### HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of carbon, CO, CO<sub>2</sub>

### HAZARDOUS POLYMERIZATION

Does not occur

### CORROSIVITY TO METALS

Reactive with soft metals in presence of water.

**EXPLOSION DATA - SENSITIVITY TO MECHANICAL IMPACT** Not applicable

**EXPLOSION DATA - SENSITIVITY TO STATIC CHARGE** Not applicable

**FIRE HAZARD COMMENTS** Will not burn or support combustion.

**FIRE EXTINGUISHING AGENTS** Use an extinguisher appropriate to the material which is burning

**FIRE FIGHTING PROCEDURES** Water can be used to extinguish a fire in an area where product is stored.

**COMBUSTION PRODUCTS** Oxides of carbon, CO, CO<sub>2</sub>

## 11. TOXICOLOGICAL INFORMATION

### Acute Effects:

#### Ingestion:

May cause local irritation to the gastro-intestinal tract causing vomiting and abdominal pain to occur.

#### Eye contact:

Sprays and mists can cause eye irritation.

#### Skin contact:

Frequent or prolonged contact can cause defatting of the skin leading to drying and cracking.

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**Inhalation:**

Practically non-toxic. May cause irritation.

**Long term Effects:**

There have been no documented effects due to long-term exposure to product.

**Toxicity Data:**

Oral LD50 (rat) 4000 mg/kg

**12. ECOLOGICAL INFORMATION**

Avoid contaminating waterways.

**13. DISPOSAL CONSIDERATIONS**

Refer to State Land Waste Management Authority. Decontaminate empty containers before disposal, by triple rinsing with water, using rinse water in further processing or neutralize rinse water.

**14. TRANSPORT INFORMATION**

<b>UN No:</b>	Nil
<b>Proper Shipping Name:</b>	Not applicable
<b>Class:</b>	Not applicable
<b>Packing Group:</b>	Not applicable
<b>Hazchem Code:</b>	Not applicable
<b>EPG</b>	Not applicable
<b>Segregation Dangerous Goods</b>	Not applicable

**15. REGULATORY INFORMATION**

Classified as hazardous according to the criteria of NOHSC, Not scheduled per SUSDP, Not a dangerous good according to ADG code.

**R-phrases:** R36: Irritating to eyes

**S-phrases:** S22; Do not breathe dust S25; Avoid contact with eyes. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/39 Wear suitable protective clothing and eye/face protection.

**16. OTHER INFORMATION**

**Date of Issue : December 2010**

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