



SOUTHERN IONICS INCORPORATED (SII)
SAFETY DATA SHEET

SDS NO. 226
Effective Date: April 30, 2015
Revision Date: September 25, 2020

I. Product and Company Information

SII Product Name:	Soda Ash Solution 5%, 10%, 17.5%, 20%, 25%, & 27%	Synonym:	Sodium Carbonate Solution
Chemical Name:	Carbonic acid disodium salt	CAS Number:	497-19-8
Manufacturer's Name: Southern Ionics Incorporated 579 Commerce Street West Point, MS 39773 Customer Service: 1-800-953-3585 Web Site: www.southernionics.com	Emergency Contacts: Afterhours (Southern Ionics): 1-888-610-2379 For Chemical Emergency, Spill, or Accident Call CHEMTREC at 1-800-424-9300 CHEMTREC CCN - 20596		

II. Hazard Identification

OSHA HCS / GHS Classification(s):		Hazard Statement(s):	
Solution is not classified under GHS Rules.		May cause mild eye irritation.	
The dry, solid, or anhydrous form of this chemical may be classified in some jurisdictions.		May cause mild skin irritation.	
		May be harmful if swallowed.	
		May be harmful if inhaled.	
Signal Word: Not Applicable	Precautionary Statement(s):		
Symbol(s): Not Applicable	Prevention:	See Section VIII. Exposure Control / Personal Protective Equipment	
	Response:	See Section IV. First Aid Measures	

III. Composition / Information on Ingredients

Chemical Name(s):	CAS Number(s):	%
Sodium Carbonate	497-19-8	5 - 27
Water	7732-18-5	Balance

IV. First Aid Measures

Eyes:	Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Remove contact lenses if present and easy to do so. Seek medical attention, if you feel unwell.
Dermal / Skin:	Remove contaminated clothing and wash exposed area thoroughly with soap and water. Seek medical attention, if you feel unwell.
Inhalation:	Move to fresh air immediately. If breathing is difficult, give oxygen. Seek medical attention, if you feel unwell.
Ingestion:	If swallowed, give several glasses of water, but do not induce vomiting. Seek medical attention immediately.

V. Fire Fighting Measures

NFPA Hazard Rating:	Health (Blue)	Fire (Red)	Reactivity (Yellow)	Special Instructions (White)
	1	0	0	None
NFPA Hazard Classification: 0 = Least 1 = Slight 2 = Moderate 3 = High 4 = Extreme				
Extinguishing Media:	Use extinguishing media appropriate for surrounding fire.			
Special Firefighting Procedure:	Wear NIOSH-approved, self-contained breathing apparatus (SCBA). Use water spray to keep containers cool and to knock down fumes.			

VI. Accidental Release Measures

Precaution if Spilled or Released:	Steps should be taken to contain spilled liquids and prevent discharges to streams or sewer systems.
Neutralizing Chemicals:	Dilute acid

VII. Handling and Storage

Handling:	Handle all chemicals with respect. Keep separate from incompatible substances. Handle only with equipment, materials, and supplies specified by their manufacturer as being compatible and appropriate for use with this product.
Storage:	Use black iron, mild steel or stainless steel for storage. Copper, tin, zinc, or aluminum, and their alloys should be avoided. Store at appropriate temperature to protect from freezing or crystallization. Store away from excessive heat and from reactive materials. Do not store this material near food, animal feed or drinking water. Store in well-ventilated area. Keep container tightly closed when not in use.

VIII. Exposure Control / Personal Protective Equipment

Component Workplace Control Parameters:				
Components:	CAS Number	Value	Parameters	Basis
No Data Available				
Engineering Controls:	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.			
General Hygiene:	Practice good personal hygiene after using this material, especially before eating, drinking, smoking, or using the toilet.			
Personal Protection Equipment:				
Eye:	Use chemical splash goggles and face shield.			
Skin:	Chemically resistant gloves should be worn whenever this material is handled. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough.			
Respiratory:	None required under normal conditions.			
Other Protective Items:	Where splash is possible, full chemically resistant protective clothing and boots are required. Ensure that eyewash stations and safety showers are proximal to the work location.			
HMIS Classification:	Health (Blue)	Flammability (Red)	Physical Hazard (Yellow)	PPE (White)
	1	0	0	See Above
Hazard Classification: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe				

IX. Physical and Chemical Properties

Physical State:	Liquid	pH:	11.5
Appearance:	Clear	Molecular Weight:	106 for Na ₂ CO ₃
Odor:	Odorless	Odor Threshold:	No Data Available
Specific Gravity: (H₂O=1)	1.05 - 1.31 @ 60°F / 15.6°C	Pounds per Gallon:	8.7 - 10.9 @ 60°F / 15.6°C
Vapor Density: (Air=1)	Similar to water	Vapor Pressure:	Similar to water
Boiling Point:	213°F - 220°F / 100.5°C - 104°C	Freezing/Melting Point:	28°F / -2°C
Lower Explosive Limit:	Not Applicable	Upper Explosive Limit:	Not Applicable
Flash Point:	Not Applicable	Autoignition Temp:	Not Applicable
Solubility in Water:	100%	Other:	

X. Stability and Reactivity Data

Chemical Stability:	Stable at ambient temperatures. It will begin to decompose and evolve carbon dioxide above temperatures of 752°F (400°C).
Conditions to Avoid:	Reacts violently with aluminum metal and phosphorus pentoxide. Avoid temperature extremes.
Incompatible Materials:	Reacts with mineral acids to form carbon dioxide. Also reacts with lime to form caustic soda. May react with reducing sugars to form deadly carbon monoxide gas. Proper tank entry and occupancy procedures should be observed.
Hazardous Products of Decomposition:	None

XI. Toxicological Information

Routes of Entry:	<input checked="" type="checkbox"/> Eyes <input checked="" type="checkbox"/> Skin <input checked="" type="checkbox"/> Ingestion <input checked="" type="checkbox"/> Inhalation						
Sign and Symptoms of Exposure:	No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.						
Eye Contact:	May cause irritation.						
Ingestion:	May be harmful if swallowed.						
Skin Contact:	May cause irritation.						
Inhalation:	May cause respiratory tract irritation.						
Carcinogenicity:	Not listed	NPT	Not Listed	IARC	Not Listed	OSHA	Not Regulated
Ingredient Name:	Species	Test	Route	Results			
No Data Available							
Comments:							

XII. Ecological Information

Ingredient Name:	Species	Test	Period	Results
No Data Available				
Comments:				

XIII. Disposal Considerations

Waste Disposal:	Always dispose of material in accordance with local, state, and federal regulations.
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XIV. Transportation Information

Proper Shipping Name:	Soda Ash in Water Solution		
DOT Classification:	Not Regulated by USDOT		
Identification Number:		Packing Group:	Other Labels:
Comments:	2832.30.1000		

XV. Regulatory Information

Inventory Status:		US Regulations:	
U. S. TSCA	Yes	SARA 302 TPQ	Not Listed
Europe EINECS	Yes	SARA 304 RQ	Not Listed
Canadian DSL	Yes	SARA 313 List	Not Listed
Japan ENCS	Yes	CERCLA (RQ)	Not Listed
Korean KECI	Yes	RCRA 261.33	Not Listed
Philippines PICCS	Yes		
Australian AICS	Yes	SARA 311/312	<input checked="" type="checkbox"/> Acute <input type="checkbox"/> Chronic <input type="checkbox"/> Fire <input type="checkbox"/> Release of Pressure <input type="checkbox"/> Reactive
International Regulations:			Other Regulations:
Canada WHMIS	Not Listed	Anhydrous is regulated by WHIMS	California PROP 65
EINECS	207-838-8		Not listed

XVI. Other Information

Other:	
Revision Notes:	09.25.20 Reviewed as part of a 3-year review process. Updated logo and formatting.
MSDS Replacements:	SII MSDS 010 Soda Ash Solution

SALES OFFICE

For Product Information:

TEL: 662-494-3055

FAX: 662-494-2828

Post Office Drawer 1217

West Point, MS 39773

To Place an Order:

TEL: 800-953-3585

FAX: 800-953-3588

IMPORTANT

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