


# Safety Data Sheet

Section 1. Identification		
<b>Product Identifier</b>	<b>Soda Ash (Sodium Carbonate)</b>	<b>Version: 5</b> <b>Effective Date: 20 February, 2016</b>
<b>Other Means Of Identification</b>	Soda ash	
<b>Initial Supplier Identifier</b>	Chemfax Products Ltd. 11444 – 42 Street SE Calgary, AB T2C 5C4 Tel: 403-287-2055	
<b>Recommended Use and Restrictions On Use</b>	Industrial Chemical. No restrictions.	
<b>Product Family</b>	Inorganic base	
<b>24 Hour Emergency</b>	Canutec (613) 996-6666	

Section 2. Hazard Identification	
<b>Hazard Classification</b>	
<b>Health Hazards</b>	Eye Damage/Irritation – Category 2A
<b>Signal Word</b>	Warning
<b>Hazard Statement</b>	Causes serious eye irritation
<b>Precautionary Prevention Statement</b>	Wash skin thoroughly after handling. Wear eye and face protection.
<b>Precautionary Response Statement</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention:
<b>Precautionary Storage Statement</b>	No statement.
<b>Precautionary Disposal Statement</b>	No statement.
<b>Other Hazards</b>	None



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<b>Section 3. Composition / Information on Ingredients</b>			
<b>Chemical Name</b>	<b>Common Name or Synonyms</b>	<b>CAS NO. and Other Unique Identifiers</b>	<b>% by weight</b>
Sodium Carbonate	Soda ash	497-19-8	100

<b>Section 4. First-Aid Measures</b>	
<b>Eye Contact</b>	Flush eyes with water for 15 minutes. Seek medical attention.
<b>Skin Contact</b>	Flush area with water. If irritation persists seek medical attention. Launder clothing before reuse.
<b>Inhalation</b>	Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention.
<b>Ingestion</b>	Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention.
<b>Most Important Symptoms and Effects Both Acute and Delayed</b>	Eye irritation
<b>Immediate Medical Attention and Special Treatment</b>	Rinse eye with plenty of water

<b>Section 5. Fire-Fighting Measures</b>	
<b>Suitable and Unsuitable Extinguishing Media</b>	Use extinguishing media suitable for surrounding fire.
<b>Hazardous Combustion Products</b>	Oxides of carbon.
<b>Specific Hazards Arising From the Product</b>	None known
<b>Special Protective Equipment and Precautions For Fire-Fighters</b>	Fire-fighters should wear self contained breathing apparatus and full protective clothing. Use water spray to cool containers and structures exposed to fire.

<b>Section 6. Accidental Release Measures</b>	
<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	Chemical resistant gloves (neoprene), coveralls (rubber) and safety glasses. Secure area. Avoid dust generation.

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<b>Environmental Precautions</b>	Do not allow spilt material to enter sewers and surface watercourses.
<b>Methods and Materials For Containment and Clean-Up</b>	Prevent entry into sewers and watercourses. Collect product and pack in a suitable container for disposal.

Section 7. Handling and Storage	
<b>Precautions For Safe Handling</b>	Avoid breathing dust. Avoid contact with eyes and skin. Can generate heat when solutions in water are produced.
<b>Conditions For Safe Storage</b>	Store in a cool dry place. Keep away from acids. Product may cake over time. Keep containers closed when not in use.

Section 8. Exposure Controls / Personal Protection				
Control Parameters	TWA: 8 Hr	STEL: 15 min	Ceiling	IDLH *
Sodium carbonate	Not established			
* Immediately Dangerous to Life and Health				
<b>Exposure Controls</b>	Local exhaust ventilation			
<b>Appropriate Engineering Controls</b>	Ensure adequate ventilation. Eye wash station.			
<b>Individual Protective Measures</b>	If exposure limits are exceeded:			
<b>Eye / Face Protection</b>	Safety glasses			
<b>Skin Protection</b>	Chemical resistant coveralls, gloves			
<b>Respiratory Protection</b>	Air purifying respirator fitted with HEPA filters			

Section 9. Physical and Chemical Properties	
<b>Appearance</b>	White, powder
<b>Odour</b>	Odourless
<b>Odour Threshold</b>	Not applicable.
<b>pH</b>	11.3 (1% solution) 11.8 (38% solution).
<b>Flash Point</b>	No data
<b>Boiling Point and Boiling Range</b>	No data
<b>Melting Point and Freezing Point</b>	854 °C
<b>Evaporation Rate</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not flammable

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<b>Upper and Lower Flammability or Explosive Limits</b>	No data
<b>Vapour Pressure</b>	Not applicable.
<b>Vapour Density</b>	Not applicable.
<b>Relative Density</b>	2.533
<b>Solubility</b>	Soluble
<b>Partition co-efficient, n-Octanol/Water</b>	Not soluble
<b>Auto-ignition Temperature</b>	No data
<b>Decomposition Temperature</b>	No data
<b>Viscosity</b>	Not applicable

Section 10. Stability and Reactivity	
<b>Reactivity</b>	Reacts with acids with liberation of carbon dioxide
<b>Chemical Stability</b>	Stable
<b>Possibility of Hazardous Reactions</b>	Will not occur
<b>Conditions to Avoid</b>	Simultaneous exposure to soda ash and lime dusts (CaO). In the presence of moisture the two materials will react to form the corrosive product caustic soda (NaOH), which may cause burns.
<b>Incompatible Materials</b>	Acids.
<b>Hazardous Decomposition Products</b>	Not expected to decompose under normal conditions of use.

Section 11. Toxicological Information			
<b>Component Toxicity</b>	<b>LD50 Oral</b>	<b>LD50 Dermal</b>	<b>LC50 Inhalation</b>
Sodium Carbonate	4.09 g/kg (Rat)	2.21 g/kg (Mouse)	2.3 g/m <sup>3</sup> (rat), 2h
<b>Likely Routes of Exposure</b>			
<b>Skin:</b>	May cause skin irritation, redness, swelling and pain.		
<b>Eyes:</b>	May cause irritation and possible burns, with swelling and tearing.		
<b>Inhalation:</b>	May cause irritation of the respiratory tract. Inhalation may cause coughing, difficulty breathing and chest pains.		
<b>Ingestion:</b>	May cause digestive system irritation, nausea, vomiting, pain and diarrhea.		
<b>Acute Toxicity Estimates (ATE)</b>	LD50 4.09 g/kg (Rat) LC50 2.3 g/m <sup>3</sup> (rat), 2h		
<b>STOT (Specific Target Organ Toxicity) – Single Exposure</b>	Not classified		



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<b>Aspiration Toxicity</b>	Not classified
<b>STOT (Specific Target Organ Toxicity) – Repeated Exposure</b>	Not classified
<b>Skin Corrosion / Irritation</b>	Not classified
<b>Serious Eye Damage / Irritation</b>	Irritant
<b>Respiratory or Skin Sensitization</b>	Not classified
<b>Carcinogenicity</b>	Not listed.
<b>Reproductive Toxicity</b>	
- <b>Sexual Function and Fertility</b>	Not classified
- <b>Development of Offspring</b>	Not classified
- <b>Effects on or via Lactation</b>	Not classified
<b>Germ Cell Mutagenicity</b>	Not classified
<b>Interactive Effects</b>	None known
<b>Other Information</b>	None known

### Section 12. Ecological Information

<b>Ecotoxicity</b>	LC50: 320 mg/l (Bluegill)
<b>Persistence and Degradability</b>	No data
<b>Bioaccumulative Potential</b>	Will not bioaccumulate
<b>Biodegradability</b>	Biodegradable
<b>Mobility in Soil</b>	Not available
<b>Other Adverse Effects</b>	None known

### Section 13. Disposal Considerations

<b>Disposal Considerations</b>	Dispose of contents / container in accordance with local regulations.
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Section 14. Transport Information	
<b>UN Number</b>	Not applicable
<b>UN Proper Shipping Name</b>	None
<b>Transport Hazard Class(es)</b>	Not applicable
<b>Packaging Group</b>	Not applicable
<b>Environmental Hazards</b>	Not applicable
<b>Bulk Transport</b>	Not applicable
<b>Special Precaution</b>	Not applicable
<b>DOT Erg#</b>	None

Section 15. Regulatory Information	
<b>Canada – DSL Inventory</b>	All components of this product are either on the Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL) or exempt
<b>TSCA</b>	All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt
<b>Additional Information</b>	None

Section 16. Other Information	
<b>NFPA Rating</b>	Health-2/ Flammability-0/Reactivity-1/Special Hazard-Not applicable
<b>HMIS Rating</b>	Health-2/Flammability-0/Reactivity-1/Personal Protection-See Section 8.
<b>Prepared by:</b>	Chemfax Products Ltd., Technical Department
<b>Date Prepared:</b>	7 October, 2011
<b>Date of Latest Revision:</b>	20 February, 2016
<b>Disclaimer</b>	
Notice to reader	
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