


Safety Data Sheet

Section 1. Identification		
Product Identifier	Soda Ash (Sodium Carbonate)	Version: 5 Effective Date: 12 July, 2017
Other Means Of Identification	Soda ash	
Initial Supplier Identifier	Chemfax Products Ltd. 11444 – 42 Street SE Calgary, AB T2C 5C4 Tel: 403-287-2055	
Recommended Use and Restrictions On Use	Industrial Chemical. No restrictions.	
Product Family	Inorganic base	
24 Hour Emergency	Canutec (613) 996-6666	

Section 2. Hazard Identification	
Hazard Classification	
Health Hazards	Eye Damage/Irritation – Category 2A
Signal Word	Warning
Hazard Statement	Causes serious eye irritation
Precautionary Prevention Statement	Wash skin thoroughly after handling. Wear eye and face protection.
Precautionary Response Statement	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, seek medical attention
Precautionary Storage Statement	No statement.
Precautionary Disposal Statement	No statement.
Other Hazards	None



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Section 3. Composition / Information on Ingredients

Chemical Name	Common Name or Synonyms	CAS NO. and Other Unique Identifiers	% by weight
Sodium Carbonate	Soda ash	497-19-8	100

Section 4. First-Aid Measures

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

Section 5. Fire-Fighting Measures

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

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Chemical resistant gloves (neoprene), coveralls (rubber), and safety glasses. Secure area. Avoid dust generation.
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Environmental Precautions	Do not allow spilled material to enter sewers and surface watercourses.
Methods and Materials For Containment and Clean-Up	Prevent entry into sewers and watercourses. Collect product and pack in a suitable container for disposal.

Section 7. Handling and Storage	
Precautions For Safe Handling	Avoid inhaling dust. Avoid contact with eyes and skin. Can generate heat when in solution with water.
Conditions For Safe Storage	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				
Exposure Controls	Local exhaust ventilation			
Appropriate Engineering Controls	Ensure adequate ventilation. Eye wash station.			
Individual Protective Measures	If exposure limits are exceeded:			
Eye / Face Protection	Safety glasses			
Skin Protection	Chemical resistant coveralls, gloves			
Respiratory Protection	Air purifying respirator fitted with HEPA filters			

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

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

Section 10. Stability and Reactivity	
Reactivity	Reacts with acids with liberation of carbon dioxide
Chemical Stability	Stable
Possibility of Hazardous Reactions	Will not occur
Conditions to Avoid	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.
Incompatible Materials	Acids.
Hazardous Decomposition Products	Not expected to decompose under normal conditions of use.

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



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

Section 12. Ecological Information

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

Section 13. Disposal Considerations

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

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

Section 16. Other Information	
NFPA Rating	Health-2/ Flammability-0/Reactivity-1/Special Hazard-Not applicable
HMIS Rating	Health-2/Flammability-0/Reactivity-1/Personal Protection-See Section 8.
Prepared by:	Chemfax Products Ltd., Technical Department
Date Prepared:	7 October, 2011
Date of Latest Revision:	12 July, 2017
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