



Material Safety Data Sheet

LA1109
Soda Ash 58% Dense

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Id: LA1109
Product Name: Soda Ash 58% Dense
Synonyms: Sodium carbonate.
Chemical Family: None Known
Application: Soda salts. Manufacture of glass. Soap. Cleaners and water softeners. Pulp and paper. Photographical agent.

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Prepared By: The Safety, Health and Environment Department of Vopak Canada Ltd.

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Vopak USA. Inc. Corporate Office Number: (425) 889-3400

Hazardous Components:

Ingredients	Percent	LD50s and LC50s Route & Species:
Sodium Carbonate 497-19-8	100	Inhalation LC50 Rat : 2300 mg/m ³ /2H Inhalation LC50 Mouse : 1200 mg/m ³ /2H Oral LD50 Rat : 4090 mg/kg Oral LD50 Mouse : 6600 mg/kg

Notes: No additional remark.

3. HAZARDS IDENTIFICATION

Potential Acute Health Effects:

Eye Contact: May irritate eyes. May cause eye burns.
Skin Contact: May cause moderate skin irritation.
Inhalation: Causes irritation of the mouth, nose and throat. May irritate the lungs.
Ingestion: Low toxicity. May be harmful if swallowed. May cause pain, nausea, vomiting and

diarrhea.

4. FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with water and continue washing for at least 15 minutes. Seek immediate medical attention.
Skin Contact:	Remove contaminated clothing and launder before reuse. Flush skin with large amounts of water. If irritation persists, get medical attention.
Inhalation:	Promptly remove to fresh air. Restore and/or support breathing. Consult a physician for observation and treatment.
Ingestion:	Do not induce vomiting. Have conscious person drink several glasses of water or milk. Never give anything by mouth to an unconscious or convulsing person. Seek medical attention.
Notes To Physician:	None

5. FIRE FIGHTING MEASURES

Flash Point (C):	None - will not burn. (F):	None - will not burn.
Flash Point Method:	Not applicable.	
Autoignition Temperature (C):	Not applicable. (F):	Not applicable.
Flammable Limits in Air - Lower (%):	Not applicable.	
Flammable Limits in Air - Upper (%):	Not applicable.	
Extinguishing Media:	Use DRY chemicals, CO2, alcohol foam or water spray.	
Special Exposure Hazards:	Not Available.	
Special Protective Equipment:	Fire fighters should wear full protective clothing, including self-contained breathing equipment.	
NFPA RATINGS FOR THIS PRODUCT ARE:	Not available.	
HMS RATINGS FOR THIS PRODUCT ARE:	Not available	

6. ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures:	Wear appropriate protective equipment.
Environmental Precautionary:	Prevent entry into sewers or streams, dike if needed. Spills or releases should be reported, if required to the appropriate local, state and federal agencies.
Procedure for Cleaning/Absorption:	Sweep up or vacuum up and place in an appropriate closed container. Cautiously spray residue with plenty of water. Prevent spilled material from entering sewers, confined spaces, drains, or waterways.

7. HANDLING AND STORAGE

Handling:	Avoid breathing in dust. Avoid prolonged contact with eyes or prolonged skin contact. Use good personal hygiene.
Storage:	Store in a cool, dry, well ventilated area. Away from acids. Prolonged storage may cause product to cake and become wet from atmospheric moisture.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	Local exhaust ventilation as necessary to maintain exposures to within applicable limits.
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Respiratory Protection: For dusty or misty conditions, wear NIOSH-approved dust or mist respirator.
Gloves: Cotton gloves permitted for dry product, impervious gloves when handling solutions.
Skin Protection: As a minimum, wear long-sleeve shirts, trousers, and gloves for routine produce use.
Eyes: Safety glasses with side shields or chemical goggles.
Other Personal Protection Data: Long sleeves. Wear saranex coveralls if contact may occur. Hard hat.

Hazardous Components:

Ingredients	Percent	ACGIH 2000 - Time Weighted Averages	OSHA - Vacated PELs - Time Weighted Averages
Sodium Carbonate 497-19-8	100	Not available.	Not available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid
Color: White
Odor: Odorless
pH: 11.3 (1%)11.8 (38%)
Specific Gravity: 2.533
Boiling Point (C): Not Available. **(F):** Not Available.
Freezing Point (C): 854 **(F):** 1569.2
Vapor Pressure: Not Available.
Vapor Density: Not Available.
% Volatile by Volume: Not Available.
Evaporation Rate: Not Available.
Solubility: 17%
VOCs (lbs/gallon): Not Available.
Viscosity: Not Available.
Molecular Weight: 105.99

10. STABILITY AND REACTIVITY

Chemical Stability: Stable
Hazardous Polymerization: Will not occur.
Conditions to Avoid: Simultaneous exposure to soda ash and lime dusts (CaO). In the presence of moisture (i.e. perspiration) the two materials combine to form corrosive caustic soda (NaOH) which may cause burns.
Materials to Avoid: Acids.
Hazardous Decomposition Products: Oxides of carbon.
Additional Information: Contact with acids will release carbon dioxide gas. Can react violently with red hot aluminum metal; fluorine gas; lithium; and 2,4,6-trinitrotoluene.

11. TOXICOLOGICAL INFORMATION

Principle Routes of Exposure
Ingestion: Low toxicity. May be harmful if swallowed. May cause pain, nausea, vomiting and diarrhea.
Skin Contact: May cause moderate skin irritation.
Inhalation: Causes irritation of the mouth, nose and throat. May irritate the lungs.

Eye Contact: May irritate eyes. May cause eye burns.
Aggravated Conditions: Excessive contact may produce "soda ulcers" on hands and perforation of the nasal septum. Sensitivity reactions may occur from prolonged and repeated exposure.
Carcinogenicity Comment: No additional information available.
Other: None known.
Acute Test:
Acute Oral LD50: Not Available.
Acute Dermal LD50: Not Available.
Acute Inhalation LC50: Not Available.
Primary Irritation Effect: Causes skin and eye irritation.
Carcinogenicity: No additional information available.

Hazardous Components:

Ingredients	Percent	ACGIH 2000 - Carcinogens
Sodium Carbonate 497-19-8	100	Not listed.

Genotoxicity: Not Available.
Reproductive/Developmental Toxicity: Not Available.
Teratogenicity: Not Available.
Embryotoxicity: Not Available.
Mutagenicity: Not Available.

12. ECOLOGICAL INFORMATION

Mobility: Not Available.
Persistence: Not Available.
Bioaccumulative: Not Available.
Ecotoxicological Information:
Ecotoxicity - Fish Species Data TLm 48 hr. mosquito-fish: 840 mg/l
Acute Crustaceans Toxicity: Not Available.
Ecotoxicity - Freshwater Algae Data Not Available.
Chemical Fate Information: Not Available.
Other Information: No additional remark.

13. DISPOSAL CONSIDERATIONS

Disposal of Waste Method:
 Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations.

Contaminated Packaging:
 Empty containers should be recycled or disposed of through an approved waste management facility.

14. TRANSPORT INFORMATION

DOT (U.S.):

DOT Shipping Name:	Not regulated.
Hazard Class:	Not applicable.
UN/NA Number:	Not applicable.
DOT Packing Group:	Not applicable.
DOT Reportable Quantity (lbs):	Not applicable.
Marine Pollutant:	No.

ICAO/IATA:

IATA Proper Shipping Name:	Not regulated.
IATA Hazard Class:	Not Applicable.
UN/NA Number:	Not applicable.
Packing Group:	Not Applicable.
IATA Label:	Not regulated.
Remarks:	No additional remark.

IMDG:

IMDG Proper Shipping Name:	Not regulated.
Hazard Class:	Not applicable.
Packing Group:	Not applicable.
EMS No.:	Not applicable.
MFAG Table No.:	Not applicable.
Marine Pollutant:	No.
IMDG Flash Point (C):	Not available.
IMDG Label:	Not regulated.
Remarks:	No additional remark.

TDG (Canada):

TDG Proper Shipping Name:	Not Regulated.
Hazard Class:	Not applicable.
UN Number:	Not applicable.
Packing Group:	Not applicable.
Note:	No additional remark.
Marine Pollutant:	No.

15. REGULATORY INFORMATION

U.S. TSCA Inventory Status:	Listed.
Canadian DSL Inventory Status:	Listed.
Canadian NDSL Inventory Status:	Not Listed.

U.S. Regulatory Rules**Sodium Carbonate 100 497-19-8**

CERCLA/SARA - Section 302:	Not Listed.
SARA (311, 312) Hazard Class:	Not Listed.
CERCLA/SARA - Section 313:	Not Listed.

California Proposition 65:	Not Listed.
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MA Right to Know List:	Not Listed.
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New Jersey Right-to-Know List:	Not Listed.
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Pennsylvania Right to Know List: Not Listed.

Canada - WHMIS Classification: D2B TOXIC MATERIALS



16. OTHER INFORMATION

The following sections have been revised: Nothing has been revised.

Additional Information: This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

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*****END OF MSDS*****