

MATERIAL SAFETY DATA SHEET

SODIUM CARBONATE

I IDENTIFICATION:

BioShop Canada Inc.
5480 Mainway
Burlington, Ontario L7L 6A4
1-800-234-1179

Emergency Telephone No.: 1-905-466-3832
Chemical Name: Sodium Carbonate
Catalog Number: SOC512
Molecular Formula: Na₂CO₃
Molecular Weight: 105.99
WHMIS Classification: D2B
TSCA Status: listed on the TSCA Inventory

II COMPOSITION/ INGREDIENTS:

	CAS #	%
Sodium carbonate:	497-19-8	100

III HAZARDS/TOXICOLOGICAL PROPERTIES:

Routes of entry: Eyes, skin, inhalation, Ingestion.

Target Organs: Eyes and skin

Eyes: May cause severe irritation and eye burns

Skin: May cause irritation and burns. Particularly if skin is moist.

Inhalation: Harmful if inhaled, May cause irritation, shortness of breath.

Ingestion: May cause irritation to GI tract.

CHRONIC HEALTH HAZARDS: May cause nose bleeding and shortness of breath. Bronchitis.

Exposure Limits:

LD50: oral, rat 4090g/kg

Draize test, rabbit, eye: 100mg/24hr moderate

Inhalation, rat : LC50= 2300mg/m³/2h

Epidemiology: No data available

Teratogenicity: No data available

Reproductive Effects: No data available

Neurotoxicity: No data available

Mutagenicity: No data available

IV FIRST AID MEASURES:

Eyes: Flush eyes with water . Get medical aid immediately.

Skin: In case of contact, flush area immediately with water.

Inhalation: Remove victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen and GET MEDICAL AID IMMEDIATELY.

Ingestion: Wash mouth with water. Do not induce vomiting. Get medical aid immediately.

V FIRE AND EXPLOSION HAZARDS:

Flammable: No

Flash Point: N/A

Extinguishing Media: Use water spray, foam, dry chemical or carbon dioxide.

Explosion Data: Not available

VI REACTIVITY:

Stability: Stable at normal room temperature and pressure.

Conditions to avoid: dust generation, moisture, heat. Strong acids.

Incompatibility : Reacts explosively with red-hot aluminum . Strong acids causes effervescence with the evolution of carbon dioxide.

Hazardous Decomposition Products: sodium oxide, carbon dioxide

Hazardous Polymerization: Has not been reported

VII PHYSICAL DATA:

Physical State: powder

Appearance and Odor: white, odorless

Melting Point: N/A

Boiling Point: 1600C

Specific Gravity: 2.53

Vapor Density: N/A

Water Solubility: yes

pH: 11.6

VIII PREVENTIVE MEASURES:

Personal Protection: Lab coat, safety goggles, rubber gloves.

Ventilation: Local exhaust systems. Use fume hood

Respiratory protection: use OSHA/MSHA approved respirator.

Leak and Spill Procedures: Ventilate the area. Wear appropriate protective equipment. Cover with dry lime or soda. Sweep and place in a closed container.

Waste Disposal: Burn in chemical incinerator. Observe all Federal, provincial and local regulations.

Other precautions: Avoid contact. Do not get in eyes, on skin, or clothing.

Wash thoroughly after handling. Wash contaminated clothing before reuse.

Storage Conditions: Room temperature..

Label Hazard Warning: None. Avoid eye and skin contact. Avoid inhalation and ingestion.

Shipping Information: Not regulated

IX PREPARATION OF MSDS:

Prepared By: M.Kierdelewicz (President)

Date Prepared: Jan.4/2012

Phone: (800) 234-1179

The information provided on this Material Safety Data Sheet is furnished in good faith and without warranty of any kind. The above information is believed to be correct and should be used only as a guide. BioShop Canada Inc. shall not be held liable for any damage resulting from the handling or from the contact with the above product.

Observe all federal, provincial and state laws concerning health, safety and pollution.