

MATERIAL SAFETY DATA SHEET

SODIUM BICARBONATE

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 bicarbonate
Catalog Number: SOB308, SOB999
Molecular Formula: NaHCO₃
Molecular Weight: 83.995
WHMIS Classification: not controlled
TSCA Status: LISTED

II COMPOSITION/ INGREDIENTS:

| | CAS # | % |
|----------------------|-----------|------|
| Sodium bicarbonate : | 144-55-86 | 100% |

III HAZARDS/TOXICOLOGICAL PROPERTIES:

Low hazard rating

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

Target Organs:

Eyes: May cause irritation..

Skin: May cause irritation.

Inhalation: May cause irritation to respiratory tract.

Ingestion: may cause irritation to GI tract. May cause vomiting and diarrhea

CHRONIC HEALTH HAZARDS: may cause irritation of skin.

Exposure Limits:

None available

Epidemiology: No data available

Teratogenicity: No data available

Reproductive Effects: No data available

Neurotoxicity: No data available

Mutagenicity: No data available

LD50/LC50:

LD50 Oral, rat= 4220mg/kg

LD50 mouse= 3360mg/kg

IV FIRST AID MEASURES:

Eyes: Flush eyes with water .

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

Inhalation: Remove victim to fresh air.

Ingestion: Wash mouth with water. Do not induce vomiting.

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.

Incompatibility: strong oxidizing agents.

Hazardous Decomposition Products: carbon dioxide, carbon monoxide and nitrogen oxides.

Hazardous Polymerization: Has not been reported

VII PHYSICAL DATA:

Physical State: solid

Appearance and Odor: white powder, odorless

Melting Point: 270° C

Boiling Point: N/A

Specific Gravity: 2.16

Vapor Density: N/A

Decomposition temp: >212° C

Water Solubility: slightly soluble

pH: 8.3 (0.1M)

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

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.

MATERIAL SAFETY DATA SHEET

SODIUM BICARBONATE

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