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## MATERIAL SAFETY DATA SHEET

**PRODUCT NAME: Bicarbonate of Soda**

**BI100-00**

### SECTION 01: PRODUCT INFORMATION AND COMPANY INFORMATION

**MANUFACTURER:** Anchem Sales  
**PREPARED BY:** Production Department  
**VERSION DATE:** 01-Jan-16  
**TELEPHONE NO.:** (519) 451-1614  
**EMERGENCY PHONE NO.:** (613) 996-6666  
**CHEMICAL FAMILY:** Not Available      **CHEMICAL FORMULA:** NaHC03  
**MOLECULAR WEIGHT:** 84.02      **MATERIAL USE:** Please Refer to technical literature  
**SYNONYMS:** Sodium Bicarbonate; Baking Soda,  
Bicarbonate of Soda

### SECTION 02: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients	Conc. Approx. %	C.A.S. #	LD/50 (RTE/SPEC)	LC/50 (RTE/SPEC)	TLV
Sodium Bicarbonate	100 %	144-55-8	N.Av.	N.Av.	N.Av.

### SECTION 03: HAZARD IDENTIFICATION

#### ROUTE OF ENTRY

**Eyes:** Contact may cause mild irritation, redness, and pain.  
**Skin:** Not an irritant.  
**Inhalation:** High concentrations of dust may cause coughing and sneezing.  
**Ingestion:** Extremely large oral doses may cause gastrointestinal disturbances.

### SECTION 04: FIRTAID

**Skin Contact:** Not harmful.  
**Eye Contact:** Remove contact lenses and flush eyes with plenty of luke warm water for at least 15 minutes.  
**Inhalation, Acute:** Remove to fresh air. Get medical attention for any breathing difficulty.  
**Ingestion:** If large amounts are ingested, do not induce vomiting. Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.

**Notes to physician:** Large doses may produce systematic alkalosis and expansion in extracellular fluid volume with adema.

### SECTION 05: FIRE EXPLOSION HAZARD AND FIRE FIGHTING MEASURES

**FLAMMABLE?** No  
**IF YES, UNDER WHICH CONDITIONS?**  
**FLASH POINT (TCC) (C):** Not Available  
**FLAMMABLE LIMITS:** **LEL(% BY VOL.):** Not Available    **UEL(% BY VOL.):** Not Available  
**AUTO IGNITION TEMPERATURE (C)** Not Available  
**EXTINGUISHING MEDIA** Use media appropriate for the fire.

**SPECIAL PROCEDURES:** May need self contained breathing apparatus.  
**HAZARDOUS COMBUSTION PRODUCTS:** Carbon Dioxide.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS** Not Available  
**SENSITIVITY TO STATIC DISCHARGE** Not Available  
**SENSITIVITY TO MECHANICAL IMPACT:** Not Available

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

**Leak and Spill Procedure:** Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. Small amounts of residue may be flushed to sewer with plenty of water.

**SECTION 07: HANDLING AND STORAGE**

**Handling Procedures and Storage Requirements**

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

**SECTION 08: PERSONAL PROTECTIVE EQUIPMENT / EXPOSURE CONTROLS**

**GLOVES/TYPE:** Impervious chemical resistant gloves .  
**RESPIRATOR/TYPE:** Dust mask if level exceeds 10mg/m3.  
**EYE/TYPE:** Safety glasses when handling bulk material.  
**OTHER/TYPE:** Not Available  
**ENGINEERING CONTROL** In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIE**

<b>PHYSICAL STATE/APPEARANCE:</b>	White crystalline powder		
<b>ODOUR:</b>	None	<b>ODOUR THRESHOLD:</b>	N. Av.
<b>VAPOUR PRESSURE (mm Hg @ 20C):</b>	N. Av.	<b>VAPOUR DENSITY (Air=1):</b>	2.2
<b>EVAPORATION RATE (Ether = 1):</b>	N. Av.	<b>SPECIFIC GRAVITY:</b>	N. Av.
<b>BOILING POINT (C):</b>	N. App.	<b>FREEZING POINT (C)</b>	60
<b>Ph (% SOLUTION):</b>	8.2	<b>% VOLATILE (WT):</b>	N. Av.
<b>SOLUBILITY IN WATER (% W/W)</b>	3.6 g / 100 ml 20C		

**SECTION 10: STABILITY AND REACTIVITY**

**CHEMICALLY STABLE?** Yes  
**IF NO, UNDER WHICH CONDITIONS?**  
**INCOMPATIBILITY WITH OTHER SUBSTANCES** Yes  
**IF YES, WITH WHICH ONES:** Reacts with acids to form carbon dioxide. Dangerous reaction with monoammonium phosphate or a sodium-potassium alloy.  
**SPECIAL REACTIVITY AND UNDER WHAT CONDITIONS** Avoid heat, moisture, incompatibles.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Gaseous carbon dioxide.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**EXPOSURE LIMIT OF MATERIAL** N.Ap.  
**LC 50 OF MATERIAL, SPECIES AND ROUTE** 4220 mg/kg (rat/oral)  
**LD 50 OF MATERIAL, SPECIES AND ROUTE** N.Ap.  
**CARCINOGENICITY OF MATERIAL** N.Ap.  
**REPRODUCTIVE EFFECTS:** N.Ap.  
**IRRITANCY OF MATERIAL** N.Ap.  
**SENSITIZING CAPABILITY OF MATERIAL** N.Ap.  
**SYNERGISTIC MATERIALS** N.Ap.

**SECTION 12: ECOLOGICAL INFORMATION**

**AQUATIC TOXICITY** Not Available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL:** Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. Provincial and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, provincial and local requirements.

**SECTION 14: TRANSPORT INFORMATION**

**TDG CLASSIFICATION** Class , Non Regulated

**UN NUMBER:**

**PACKING GROUP:**

**Special Provisions for Transport**

**SECTION 15: REGULATORY INFORMATION**

**WHMIS CLASSIFICATION** Not classified.

**SECTION 16: OTHER INFORMATION**

**ABBREVIATIONS USED:** N.Av. = Not Available  
N.App. / N.Ap. = Not Applicable

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**SOURCES:** Supplier MSDS

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