

## BICARBONATE OF SODA

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	BICARBONATE OF SODA
<b>Other Means of Identification</b>	17027RAW
<b>Recommended Use</b>	Raises the total alkalinity in swimming pool water.
<b>Manufacturer</b>	Lawrason's, Inc, 460 Wyecroft Road, Oakville, Ontario, L6K 2G7, (905) 842-8300, www.Lawrasons.com
<b>Supplier Identifier</b>	Lawrason's, Inc, 460 Wyecroft Road, Oakville, Ontario, L6K 2G7, (905) 842-8300, www.Lawrasons.com
<b>Emergency Phone No.</b>	CANUTEC, 1-888-CAN-UTEC (226-8832), 613-996-6666 or *666 on a cellular phone
<b>SDS No.</b>	17027B03
<b>Date of Preparation</b>	February 01, 2017

### SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

#### Classification

Eye irritation - Category 2B

#### Label Elements

Warning

Hazard Statement(s):  
Causes eye irritation.

Precautionary Statement(s):  
Wash hands and skin thoroughly after handling.

Response:  
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: Get medical advice or attention.

Storage:  
Store in a well-ventilated place. Keep cool.

Disposal:  
Dispose of contents and container in accordance with local, regional, national and international regulations.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Sodium bicarbonate	144-55-8	80.00-100		

## SECTION 4. FIRST-AID MEASURES

### First-aid Measures

#### Inhalation

Move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

#### Skin Contact

Wash with plenty of water. If skin irritation occurs, get medical advice or attention.

#### Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice or attention.

#### Ingestion

Rinse mouth with water. Get medical advice or attention if you feel unwell or are concerned.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

#### Unsuitable Extinguishing Media

None known.

### Specific Hazards Arising from the Product

Heating increases the release of toxic vapour.

### Special Protective Equipment and Precautions for Fire-fighters

No special precautions are necessary.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet. No special precautions are necessary.

### Environmental Precautions

It is good practice to prevent releases into the environment.

### Methods and Materials for Containment and Cleaning Up

Contain and soak up spill with absorbent that does not react with spilled product.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Do not get in eyes, on skin or on clothing. Do not swallow. Wash hands thoroughly after handling this material.

### Conditions for Safe Storage

Store in an area that is: cool, dry, ventilated. Store in the original, labelled, shipping container.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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## Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Sodium bicarbonate	Not established		Not established		Not established	

## Individual Protection Measures

### Eye/Face Protection

Wear chemical safety goggles.

### Skin Protection

Ensure that eye stations and safety showers are proximal to the work-station location. Wear chemical protective clothing e.g. gloves, aprons, boots. Wash hands and face thoroughly after handling and before eating, drinking, smoking or using the toilet.

### Respiratory Protection

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

Appearance	White crystalline powder.
Odour	Odourless
Odour Threshold	Not applicable
pH	8.3 (0.1 M solution)
Melting Point/Freezing Point	Not applicable (melting)
Initial Boiling Point/Range	Not applicable
Flash Point	Not applicable
Evaporation Rate	Not applicable
Flammability (solid, gas)	Not available
Upper/Lower Flammability or Explosive Limit	Not applicable (upper); Not applicable (lower)
Vapour Pressure	Not applicable
Vapour Density (air = 1)	Not applicable
Solubility	Soluble in water
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not applicable
Decomposition Temperature	> 50 °C (122 °F)
Viscosity	Not applicable (dynamic)
Other Information	
Physical State	Solid

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions of use.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

Hazardous polymerization does not occur.

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**Conditions to Avoid**

High temperatures. Temperatures above 50.0 °C (122.0 °F)

**Incompatible Materials**

Strong acids (e.g. hydrochloric acid).

**Hazardous Decomposition Products**

Carbon dioxide and sodium carbonate (soda ash).

**SECTION 11. TOXICOLOGICAL INFORMATION****Acute Toxicity**

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Sodium bicarbonate	> 4.74 mg/L (rat)	4220 mg/kg (rat)	Not available

**Skin Corrosion/Irritation**

Causes mild skin irritation.

**Serious Eye Damage/Irritation**

Human experience shows mild irritation.

**STOT (Specific Target Organ Toxicity) - Single Exposure****Inhalation**

May be harmful based on information for closely related materials.

**Skin Absorption**

No information was located.

**Ingestion**

Harmful if swallowed. Causes digestive tract burns. Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract.

**Aspiration Hazard**

Not known to be an aspiration hazard.

**Respiratory and/or Skin Sensitization**

No information was located.

**Carcinogenicity**

Chemical Name	IARC	ACGIH®	NTP	OSHA
Sodium bicarbonate	Not Listed	Not Listed	Not Listed	Not Listed

**Reproductive Toxicity****Development of Offspring**

Not known to harm the unborn child.

**Sexual Function and Fertility**

Not known to cause effects on sexual function or fertility.

**Germ Cell Mutagenicity**

Not known to be a mutagen.

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

Studies were not located.

**Persistence and Degradability**

No information was located.

**Bioaccumulative Potential**

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This product and its degradation products are not expected to bioaccumulate.

#### **Mobility in Soil**

If released into the environment, this product can move rapidly through the soil.

### **SECTION 13. DISPOSAL CONSIDERATIONS**

#### **Disposal Methods**

Dispose of contents and container in accordance with local, regional, national and international regulations. Store product for disposal as described under Storage in Section 7 of this safety data sheet.

### **SECTION 14. TRANSPORT INFORMATION**

Not regulated under Canadian TDG regulations.

**Environmental Hazards** Not applicable

#### **Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

### **SECTION 15. REGULATORY INFORMATION**

#### **Safety, Health and Environmental Regulations**

This section is not required by WHMIS.

#### **Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

#### **Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)**

All ingredients are listed on the DSL/NDSL.

### **SECTION 16. OTHER INFORMATION**

**NFPA Rating** Health - 1 Flammability - 0 Instability - 0

**SDS Prepared By** Technical Manager

**Phone No.** 905-842-8300

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**Key to Abbreviations** IARC = International Agency for Research on Cancer

**References** CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS). NIOSH Pocket Guide database. National Institute for Occupational Safety and Health. Available from Canadian Centre for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS).

**Additional Information** All information is based upon our current knowledge and experience of our product and is not exhaustive. It applies to the product as defined by the specifications. In case of combinations of mixtures, one must confirm that no new hazards are likely to exist. In any case, the user is not exempt from observing all legal, administrative and regulatory procedures relating to the product, personal hygiene, and integrity of the work environment. (Unless noted to the contrary, the technical information applies only to pure product). To our actual knowledge, the information contained herein is accurate as of the date of this document. However, neither Lawrason's, Inc. nor any of its affiliates makes any warranty, express or implied, or accepts any liability in connection with this information or its use. This information is for use by technically

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