



# PMC WATER SYSTEMS SERVICES INC.

124 CONNIE CRES. UNIT 9 CONCORD, ONTARIO.

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## MATERIAL SAFETY DATA SHEET TOTAL ALKALINITY UP

**Protection Required**



### MATERIAL IDENTIFICATION AND USE

**Manufacturer's Name** : PMC Water Systems Services Inc.  
**Manufacturer's Address** : 124 Connie Crescent, Unit 9, Concord, ON L4K 1L7  
**Manufacturer's Phone #** : (905) 669-8262  
**24 Emergency Phone #** : Canutec (613) 996-6666  
**Product Identifier** : Total Alkalinity Up  
**Product Use** : Increase the alkalinity in pool and spa water  
**WHMIS Class** : Not Regulated  
**TDG Class** : Not TDG Regulated

### HAZARDOUS INGREDIENTS OF MATERIAL

Ingredients	Concentration	CAS #	LD <sub>50</sub>	LC <sub>50</sub>
Sodium Bicarbonate	60-100%	144-55-8	4300 mg/kg (rat – oral)	Not Available

### PHYSICAL DATA FOR PRODUCT

**Physical State** : Powder  
**Odour and Appearance** : No Odour; White Granules  
**Odour Threshold** : No Data Available  
**Specific Gravity (Water = 1)** : 2.20 g/cc  
**Vapour Pressure (mmHg)** : Nil  
**Vapour Density (Air = 1)** : Not Applicable  
**Evaporation Rate** : Not Applicable  
**Boiling Point** : Decomposes  
**Freezing Point** : No Data Available  
**pH** : 8.3 (1%)  
**Coefficient Water/Oil Distribution** : Not Applicable

### FIRE AND EXPLOSION HAZARD OF PRODUCT

**Flash Point And Method of Determination** : Not Flammable  
**Conditions of Flammability** : Not Flammable  
**Means of Extinction** : Foam, Carbon Dioxide, Dry Chemical, Water Spray  
**Upper Explosion Limit** : Not Applicable  
**Lower Explosion Limit** : Not Applicable  
**Auto-Ignition Temperature** : Not Applicable  
**Hazardous Combustion Products** : None

## REACTIVITY DATA

<b>Stability</b>	:	Stable
<b>Incompatible Materials</b>	:	Reacts with acids to release carbon dioxide gas and heat
<b>Conditions of Reactivity</b>	:	Contact with acids
<b>Hazardous Decomposition Products</b>	:	None

## TOXICOLOGICAL PROPERTIES

<b>Routes of Entry</b>	:	
<b>Skin Contact</b>	:	Yes
<b>Skin Absorption</b>	:	No Data Available
<b>Eye Contact</b>	:	Yes
<b>Ingestion</b>	:	Practically Non Toxic
<b>Inhalation</b>	:	No Data Available
<b>Chronic Exposure Effects</b>	:	Administration of large doses of bicarbonate to patients with renal insufficiency can produce systemic alkalosis
<b>Exposure Limit</b>	:	No Data Available
<b>Irritancy</b>	:	Mild eye and skin irritant
<b>Sensitization</b>	:	No Data Available
<b>Carcinogenicity</b>	:	No Data Available
<b>Teratogenicity</b>	:	No Data Available
<b>Mutagenicity</b>	:	No Data Available
<b>Reproductive Effects</b>	:	No Data Available

## PREVENTATIVE MEASURES

<b>Personal Protective Equipment</b>	:	Use dust mask and general purpose gloves. Wear protective clothing. Maintain good personal hygiene
<b>Respiratory Protection</b>	:	Use appropriate respiratory protection when ventilation systems are not available
<b>Spill and Leak Procedures</b>	:	Avoid dust accumulation. Sweep or shovel material into waste container. Wash area with water. Observe environmental regulations.

## FIRST AID MEASURES

Flush eyes with abundant water for 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. Seek medical attention if irritation persists. Wash skin with soap and flush with water for 15 minutes. Obtain medical attention if irritation develops. If inhalation occurs, move to fresh air. If ingested, give large quantities of water if conscious. Do not give anything by mouth to an unconscious or convulsing person. If discomfort occurs or persists, obtain medical attention.

## PREPARATION INFORMATION

<b>Prepared By</b>	:	Lab Services PMC Water Systems Services Inc. 124 Connie Crescent, Unit 9 Concord, ON L4K 1L7
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<b>Date Prepared</b>	:	August 4, 2013

While all the data presented is believed to be accurate at the time of preparation, PMC Water Systems Services Inc. makes no warranty; the data is offered for your consideration, investigation and verification.