



# PMC WATER SYSTEMS SERVICES INC.

## 124 CONNIE CRES. UNIT 9 CONCORD, ONTARIO.

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### SAFETY DATA SHEET TOTAL ALKALINITY UP

#### Protection Required



#### SECTION 1 - 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 alkalinity in pool and spa water

#### SECTION 2 – COMPOSITION/INGREDIENTS OF MATERIAL

Ingredients	Concentration	CAS #	LD <sub>50</sub>	LC <sub>50</sub>
Sodium Bicarbonate	100%	144-55-8	6000 mg/kg, oral – rat	No Data Available

#### SECTION 3 – HAZARDS IDENTIFICATION

**Hazard Statements** Causes eye irritation  
**Precautionary Statements** Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. 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/attention.

#### SECTION 4 – FIRST AID MEASURES

**Eye Contact** Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.  
**Skin Contact** Wash skin with soap and water. Get medical attention if irritation develops and persists.  
**Inhalation** Move victim to fresh air. If signs/symptoms continue, get medical attention.  
**Ingestion** Drink plenty of water. Never give anything by mouth to an unconscious or convulsing person. Get medical attention if symptoms occur.

#### SECTION 5 - FIRE FIGHTING MEASURES

**Flammability** Not flammable  
**Flash Point** Not combustible  
**Extinguishing Media** Use extinguishing measures appropriate to local circumstances and surrounding environment.  
**Specific Hazards** None in particular  
**Explosion Data** Not expected to be sensitive to mechanical impact or static discharge.  
**Hazardous Combustion Products** Not Available

#### SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Personal Precautions** Avoid dust formation.  
**Spill Response/Cleanup** Sweep up and shovel into suitable containers for disposal. Dispose of in accordance with all applicable national environmental laws and regulations. Material may be recycled when contamination is not a problem.

#### SECTION 7 – HANDLING AND STORAGE

<b>Handling</b>	Use air conveying/mechanical systems for bulk transfer to storage. Provide appropriate exhaust ventilation at places where dust is formed. In case of insufficient ventilation, wear suitable respiratory equipment if release of airborne dust is expected.
<b>Storage Requirements</b>	Keep in a cool, dry well-ventilated area away from incompatible products (acids). Keep away from heat.

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Ventilation</b>	Good general ventilation should be sufficient for most conditions.
<b>Respiratory Protection</b>	In case of inadequate ventilation, wear respiratory protection.
<b>Skin Protection</b>	Wear suitable protective clothing; protective gloves and shoes or boots.
<b>Eye/Face Protection</b>	Safety glasses with side shields.
<b>Other Comments</b>	Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	: Solid
<b>Odour and Appearance</b>	: Odourless; white crystalline powder
<b>Odour Threshold</b>	: Not Applicable
<b>Specific Gravity (Water = 1)</b>	: 2.22
<b>Vapour Pressure (mmHg)</b>	: Not Available
<b>Vapour Density (Air = 1)</b>	: Not Applicable
<b>Evaporation Rate</b>	: Not Applicable
<b>Boiling Point</b>	: Not Applicable
<b>Freezing/Melting Point</b>	: Not Available
<b>pH</b>	: 8.3 (1% solution) at 25°C
<b>Solubility in Water</b>	: 9.0% @ 20°C

## SECTION 10 – STABILITY AND REACTIVITY

<b>Stability/Reactivity</b>	Stable and non-reactive under normal conditions of use, storage and transport.
<b>Conditions for Chemical Instability</b>	None known
<b>Incompatible Materials</b>	Except under controlled conditions: acids
<b>Hazardous Decomposition Products</b>	Reacts with acids to release carbon dioxide gas and heat
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.

## SECTION 11 – TOXICOLOGICAL INFORMATION

<b>Effects of Acute Exposure</b>	
<b>Skin Contact</b>	: May cause mild skin irritation.
<b>Eye Contact</b>	: May cause mild eye irritation.
<b>Ingestion</b>	: Large doses may produce systemic alkalosis and expansion in extracellular fluid volume with edema.
<b>Inhalation</b>	: May cause respiratory tract irritation.
<b>Chronic Exposure Effects</b>	: Repeated or prolonged skin contact may cause irritation, drying or cracking of the skin. Repeated or prolonged ingestion or inhalation of large amounts may cause metabolic abnormalities, and sodium retention. No known chronic toxicity effect.
<b>Sensitization</b>	: Persons with pre-existing skin conditions might have increased sensitivity. Predisposing conditions that contribute to a mild alkali syndrome include renal disease, dehydration, and electrolyte imbalance, hypertension, sarcoidosis, congestive heart failure, edema, or other sodium retaining conditions. Not expected to be a skin or respiratory sensitizer.
<b>Irritancy</b>	: Non-irritating. May irritate abraded skin when moisture is present.
<b>Carcinogenicity</b>	: Not recognized as carcinogenic by ACGIH, IARC, NTP or OSHA.
<b>Teratogenicity</b>	: Not expected to be a teratogen.
<b>Mutagenicity</b>	: Not recognized as mutagenic by Research Agencies.
<b>Reproductive Effects</b>	: Not expected to cause reproductive or developmental effects.

## SECTION 12 – ECOLOGICAL INFORMATION

<b>General Comments</b>	Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.
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## SECTION 13 – DISPOSAL CONSIDERATIONS

**Waste Disposal** Dispose in accordance with local regulations.

## SECTION 14 – TRANSPORT INFORMATION

**TDG Shipping Regulations** Not TDG Regulated

## SECTION 15 – REGULATORY INFORMATION

**WHMIS Classification** Not controlled under WHMIS (Canada).  
**Domestic Substances List** All ingredients are listed on the DSL or are not required to be listed.

## SECTION 16 – OTHER INFORMATION

**Prepared by:** Lab Services  
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Concord Ontario L4K 1L7

**Preparation Date:** October 30, 2018

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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.