

**SAFETY DATA SHEET**

according to US Regulation 29 CFR 1910.1200 and the Canadian HPA

**GLB Alkalinity Up**

Version 2.2

Revision Date 2021.04.30

Print Date 2021.06.28

**SECTION 1. IDENTIFICATION**

Product name : GLB Alkalinity Up

**Manufacturer or supplier's details**Company : Innovative Water Care, LLC  
1400 Bluegrass Lakes Parkway  
Alpharetta, GA  
30004

Telephone : 1-800-511-6737 (Outside the USA: 1-423-780-2347)

E-mail address : sds@sigurawater.com

Emergency telephone number : 1-800-654-6911 (Outside the USA: 1-423-780-2970)

**Recommended use of the chemical and restrictions on use**

Recommended use : Water treatment chemical

**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Eye irritation : Category 2B

**GHS label elements**

Hazard pictograms :



Signal word : Warning

Hazard statements : H320 Causes eye irritation.

Precautionary statements : **Prevention:**  
P264 Wash skin thoroughly after handling.  
**Response:**  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
**Disposal:**

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P501 Dispose of contents/container in accordance with local regulation.

### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

### Hazardous components

| Chemical name / Synonyms                     | CAS-No.  | Concentration (% w/w) |
|--|----------|-----------------------|
| Sodium hydrogencarbonate ;Sodium bicarbonate | 144-55-8 | 99 - 100              |

## SECTION 4. FIRST AID MEASURES

- If inhaled : IF INHALED: Remove individual to fresh air. Seek medical attention if breathing becomes difficult or if respiratory irritation develops.
- In case of skin contact : IF ON SKIN: Flush skin with water for 15 minutes. Take off all contaminated clothing immediately. Seek medical attention if irritation develops.
- In case of eye contact : IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation develops.
- If swallowed : IF SWALLOWED: Immediately drink water to dilute. Seek medical attention if symptoms develop. Never give anything by mouth to an unconscious person.
- Most important symptoms and effects, both acute and delayed : None known.

## SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Choose extinguishing media suitable for surrounding materials.
- Specific hazards during firefighting : Material will not ignite or burn.
- Further information : In case of fire, use normal fire-fighting equipment and the personal protective equipment recommended in Section 8 to include a NIOSH approved self-contained breathing appa-

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ratus.

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### SECTION 6. ACCIDENTAL RELEASE MEASURES

- |   |   |
|---|---|
| Personal precautions, protective equipment and emergency procedures | : Use the personal protective equipment recommended in Section 8 and a NIOSH approved self-contained breathing apparatus.<br>Stop source of spill as soon as possible and notify appropriate personnel.<br>Utilize emergency response personal protection equipment prior to the start of any response.<br>Evacuate all non-essential personnel.<br>For disposal considerations see section 13. |
| Environmental precautions   | : The product should not be allowed to enter drains, water courses or the soil.   |
| Methods and materials for containment and cleaning up               | : Sweep up and shovel into suitable containers for disposal.  |
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### SECTION 7. HANDLING AND STORAGE

- |                             |  |
|-----------------------------|--|
| Advice on safe handling     | : Do not take internally. Avoid contact with skin, eyes and clothing. Upon contact with skin or eyes, wash off with water.<br>Avoid breathing dust from this material. |
| Conditions for safe storage | : Store in a cool, dry and well ventilated place.  |
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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

- |                             |  |
|-----------------------------|--|
| <b>Engineering measures</b> | : Local exhaust ventilation is recommended if significant dusting occurs. Otherwise use general exhaust ventilation. |
|-----------------------------|--|

#### Personal protective equipment

- |                        |   |
|------------------------|---|
| Respiratory protection | : Respiratory protection not normally needed.<br>If dusting occurs, wear a NIOSH approved respirator. |
|------------------------|---|

Hand protection

- |         |   |
|---------|---|
| Remarks | : Wear impervious gloves to avoid skin contact. |
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|                          |   |                                       |
|--------------------------|---|---------------------------------------|
| Eye protection           | : | Use safety glasses with side shields. |
| Skin and body protection | : | Impervious                            |

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |   |   |
|--|---|---|
| Appearance                             | : | Crystalline powder  |
| Colour                                 | : | white   |
| Odour                                  | : | none  |
| Odour Threshold                        | : | no data available   |
| pH                                     | : | 8 - 9<br>Concentration: 1 %   |
| Melting point/freezing point           | : | Not applicable  |
| Boiling point/boiling range            | : | no data available   |
| Flash point                            | : | no data available   |
| Evaporation rate                       | : | Not applicable  |
| Flammability (solid, gas)              | : | Product is not known to be flammable, combustible, pyrophoric or explosive. |
| Flammability (liquids)                 | : | no data available   |
| Upper explosion limit                  | : | Not applicable  |
| Lower explosion limit                  | : | Not applicable  |
| Vapour pressure                        | : | Not applicable  |
| Relative vapour density                | : | no data available   |
| Relative density                       | : | no data available   |
| Water solubility                       | : | 86 g/l (68 °F / 20 °C)  |
| Partition coefficient: n-octanol/water | : | no data available   |
| Auto-ignition temperature              | : | no data available   |
| Decomposition temperature              | : | no data available   |
| Viscosity, dynamic                     | : | no data available   |
| Viscosity, kinematic                   | : | no data available   |

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|                      |                     |
|----------------------|---------------------|
| Oxidizing properties | : no data available |
| Molecular weight     | : 84.00 g/mol       |

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### SECTION 10. STABILITY AND REACTIVITY

|                                  |  |
|----------------------------------|--|
| Conditions to avoid              | : Sparks, open flame, other ignition sources, and elevated temperatures.<br>Contact with incompatible substances |
| Incompatible materials           | : Acids  |
| Hazardous decomposition products | : Carbon dioxide (CO <sub>2</sub> )  |

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### SECTION 11. TOXICOLOGICAL INFORMATION

|  |                                     |
|--|-------------------------------------|
| Information on likely routes of exposure | : Inhalation, skin, eyes, ingestion |
|--|-------------------------------------|

#### Acute toxicity

|                           |   |
|---------------------------|---|
| Acute oral toxicity       | : LD <sub>50</sub> (Rat): Believed to be > 5,000 mg/kg                                    |
| Acute inhalation toxicity | : LC <sub>50</sub> (Rat): > 4.74 mg/l<br>Exposure time: 4 h<br>Test atmosphere: dust/mist |
| Acute dermal toxicity     | : LD <sub>50</sub> (Rabbit): Believed to be > 2,000 mg/kg                                 |

#### Serious eye damage/eye irritation

Result: Mild eye irritation

#### Respiratory or skin sensitisation

Remarks: This material is not known or reported to be a skin or respiratory sensitizer.

#### Carcinogenicity

##### IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

##### OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

##### NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

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**ACGIH**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**Further information**

Remarks: no data available

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## SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

no data available

**Persistence and degradability**

no data available

**Bioaccumulative potential****Components:****Sodium hydrogencarbonate:**

Partition coefficient: n-octanol/water : Remarks: Not applicable

**Mobility in soil**

no data available

**Other adverse effects**

Ozone-Depletion Potential : Regulation: US. EPA Clean Air Act (CAA) Section 602 Ozone-Depleting Substances (40 CFR 82, Subpt. A, App A & B)  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : Practically non- toxic to fish and other aquatic organisms.

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## SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal methods**

Waste from residues : If this product becomes a waste, it will be a nonhazardous waste.  
As a nonhazardous solid waste it should be disposed of in accordance with local, state and federal regulations.

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## SECTION 14. TRANSPORT INFORMATION

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|   |   |                     |
|---|---|---------------------|
| <b>DOT</b>  | : | Not dangerous goods |
| <b>UN number</b>  | : | Not applicable      |
| <b>Proper shipping name</b>   | : | Not applicable      |
| <b>Transport hazard class</b>   | : | Not applicable      |
| <b>Packing group</b>  | : | Not applicable      |
| <b>TDG</b>  | : | Not dangerous goods |
| <b>UN number</b>  | : | Not applicable      |
| <b>Proper shipping name</b>   | : | Not applicable      |
| <b>Transport hazard class</b>   | : | Not applicable      |
| <b>Packing group</b>  | : | Not applicable      |
| <b>IATA</b>   | : | Not dangerous goods |
| <b>UN number</b>  | : | Not applicable      |
| <b>Proper shipping name</b>   | : | Not applicable      |
| <b>Transport hazard class</b>   | : | Not applicable      |
| <b>Packing group</b>  | : | Not applicable      |
| <b>IMDG</b>   | : | Not dangerous goods |
| <b>UN number</b>  | : | Not applicable      |
| <b>Proper shipping name</b>   | : | Not applicable      |
| <b>Transport hazard class</b>   | : | Not applicable      |
| <b>Packing group</b>  | : | Not applicable      |
| <b>ADR</b>  | : | Not dangerous goods |
| <b>UN number</b>  | : | Not applicable      |
| <b>Proper shipping name</b>   | : | Not applicable      |
| <b>Transport hazard class</b>   | : | Not applicable      |
| <b>Packing group</b>  | : | Not applicable      |
| <b>RID</b>  | : | Not dangerous goods |
| <b>UN number</b>  | : | Not applicable      |
| <b>Proper shipping name</b>   | : | Not applicable      |
| <b>Transport hazard class</b>   | : | Not applicable      |
| <b>Packing group</b>  | : | Not applicable      |
| <b>Special precautions for user</b>   | : | none                |
| <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | : | Not applicable      |

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### SECTION 15. REGULATORY INFORMATION

#### **EPCRA - Emergency Planning and Community Right-to-Know Act**

##### **CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

##### **SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

##### **SARA 311/312 Hazards**

See above: SECTION 2. Hazard Identification-GHS Classification

##### **SARA 313**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

##### **Clean Air Act**

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450.

##### **Clean Water Act**

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

##### **US State Regulations**



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### Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

### Pennsylvania Right To Know

| Components               | CAS-No.  |
|--------------------------|----------|
| Sodium hydrogencarbonate | 144-55-8 |

### New Jersey Right To Know

| Components               | CAS-No.  |
|--------------------------|----------|
| Sodium hydrogencarbonate | 144-55-8 |

### California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### Canadian lists

#### NPRI

Canadian National Pollutant Release Inventory (NPRI): No component is listed on NPRI.

#### The components of this product are reported in the following inventories:

TSCA : The components of this product are listed on the TSCA Inventory of Existing Chemical Substances.

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## SECTION 16. OTHER INFORMATION

### Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population

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(Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date : 2021.04.30

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Date format : yyyy/mm/dd

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