

Product name Clear Spa¹⁰⁴ Spa Solutions Alkalinity**Revision date** 5-15-15**Section 1 Identification****Product ID:** Alkalinity
Synonyms: Baking Soda, Bicarbonate of Soda
CAS Number: 144-55-8
Product Use: Raises Alkalinity, Stabilizes pH**Supplier:** Oreq Corporation
42306 Remington Avenue
Temecula, CA 92590
951-296-5076**Emergency Phone#** Chemtrec: 1-800-424-9300**Section 2 Hazards identification****OSHA REGULATORY STATUS:** This material is Not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).**GHS Label elements, including precautionary statements****EMERGENCY OVERVIEW:**

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Hazards not otherwise classified (HNOC)

No hazards not otherwise classified were identified.

Other Information

Product dust may cause mechanical eye irritation.

Section 3 Composition / Information on ingredients**Formula** NaHCO₃

CHEMICAL NAME	CAS-No.	Weight %
Sodium Bicarbonate	144-55-8	100

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 Remove person to fresh air. If signs/symptoms continue, get medical attention.

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Section 4 First - aid measures (Continued)

Ingestion Never give anything by mouth to an unconscious person Get medical attention if symptoms occur

Most important symptoms and effects, both acute and delayed None known.

Indication of immediate medical attention and special treatment needed, if necessary Treat symptomatically.

Section 5 Fire - fighting measures

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific Hazards Arising from the Chemical None in particular. Not flammable

Hazardous Combustion Products None.

Explosion data

Sensitivity to Mechanical Impact Not sensitive.

Sensitivity to Static Discharge Not sensitive.

Protective equipment and precautions for firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6 Accidental release measures

Personal Precautions Avoid dust formation.

Other For further clean-up instructions, call Emergency Hotline number listed in Section 1 "Product and Company Identification" above.

Environmental Precautions Prevent material from entering into soil, ditches, sewers, waterways, and/or groundwater. See Section 12, Ecological Information for more detailed information.

Methods for Containment Vacuum or shovel waste into a drum and label contents for disposal.

Methods for cleaning up Pick up and transfer to properly labeled containers. Keep in suitable and closed containers for disposal. Dispose of waste as indicated in Section 13.

Section 7 Handling and storage

Handling 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.

Storage Keep in a dry place. Keep away from incompatible products (acids). Do not store with strong smelling materials.

Incompatible products Except under controlled conditions: ACIDS

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Section 8 Exposure controls / personal protection

Control parameters

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies Local nuisance dust standards apply

Appropriate engineering controls

Engineering measures Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses with side-shields.

Skin and Body Protection Wear suitable protective clothing. Protective shoes or boots.
Hand Protection Protective gloves

Respiratory Protection In case of inadequate ventilation wear respiratory protection.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

General information If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers

Section 9 Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Crystalline, Powder
Physical State	Solid
Color	White
Odor	odorless
Odor threshold	Not applicable
pH	8.3 (1% solution) @ 25 °C
Melting point/freezing point	Not applicable
Boiling Point/Range	No information available
Flash point	Not applicable
Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor pressure	Negligible
Vapor density	No information available
Density	No information available
Specific gravity	2.22
Water solubility	96 g/L @ 20 °C
Solubility in other solvents	No Information available

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Section 9 Physical and chemical properties (Continued)

Partition coefficient	Not applicable
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity, kinematic	No information available
Viscosity, dynamic	No information available
Explosive properties	No information available
Oxidizing properties	Non-oxidizing
Molecular weight	84.01
Bulk density	66 lb/cu ft

Section 10 Stability and reactivity

Reactivity	None under normal use conditions.
Chemical Stability	Stable.
Possibility of Hazardous Reactions	None under normal processing.
Hazardous polymerization	Hazardous polymerization does not occur.
Conditions to avoid	Heat. Humid air. Avoid contact with acids except under controlled conditions. Keep away from strong odor.
Incompatible materials	Except under controlled conditions: Acids.
Hazardous Decomposition Products	Reacts with acids to release carbon dioxide gas and heat.

Section 11 Toxicological information

Product Information

LD50 Oral	> 5,000 mg/kg (rat)
LD50 Dermal	No information available
LC50 Inhalation	> 4.74 mg/L (rat) 4.5 hr
Eye Contact	Non-irritating.
Skin Contact	Non-irritating
Sensitization	Non-sensitizing.

Information on toxicological effects

Symptoms No information available.
Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic toxicity	No known effect.
Mutagenicity	Not mutagenic.
Carcinogenicity	Not recognized as carcinogenic by Research Agencies (IARC, NTP, OSHA, ACGIH).

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Section 11 Toxicological information (Continued)

Reproductive toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration hazard No information available.

Section 12 Ecological information

Ecotoxicity

Sodium Bicarbonate (144-55-8)				
Active Ingredient(s)	Duration	Species	Value	Units
Sodium bicarbonate	96 hr	Lepomis macrochirus (Bluefill sunfish)	NOEC: 5,200 LC50: 7,100	mg/L
Sodium bicarbonate	48 hr immobilisation test	Daphnia magna	NOEC: 3,100 EC50: 4,100	mg/L
Sodium bicarbonate	96 hr	Oncorhynchus mykiss (rainbow trout)	NOEC: 2,300 LC50: 7,700	mg/L

Persistence and degradability Biodegradability does not pertain to inorganic substances.
Bioaccumulation Does not bioaccumulate.
Mobility Dissociates into ions.
Other Adverse Effects None known.

Section 13 Disposal considerations

Waste disposal methods This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). Dispose of in accordance with local regulations.

Contaminated Packaging Dispose of in accordance with local regulations.

Section 14 Transport information

DOT: **NOT REGULATED**

Section 15 Regulatory information

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard No
Chronic health hazard No
Fire hazard No

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Section 15 Regulatory information (Continued)

Sudden release of pressure hazard No
Reactive Hazard No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations

International Inventories

Component	TSCA (United States)	DSL (Canada)	EINECS/ ELINCS (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)
Sodium Bicarbonate 144-55-8 (100)	X	X	X	X	X	X	X	X

WHMIS Hazard Class Non-controlled

Section 16 Other information

NFPA	Health Hazards 0	Flammability 0	Instability 0	Special Hazards -
HMIS	Health Hazards 0	Flammability 0	Physical Hazard 0	Personal Protection X

NFPA/HMIS Ratings Legend

Severe = 4; Serious = 3; Moderate = 2; Slight = 1; Minimal = 0

Product Certifications

The MUL (maximum use level) for sodium bicarbonate is 100 mg/L under NSF/ANSI Standard 60.

DATE OF PREPARATION

5-15-2015

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