

MATERIAL SAFETY DATA SHEET

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1

Product Name: Aquamate pH Plus, Maintain Pool Pro pH Increaser, Swim Clear pH Plus, The Pool Place pH Plus & Private Brand pH Plus, pH Increaser, pH Up

Product ID: 5000

Synonyms: Soda Ash, Disodium Carbonate, Sodium Carbonate, Anhydrous.

Date: 4-30-2015

Supersedes Edition Dated: 03-15-2012

Molecular Formula: Na_2CO_3

Product Code: 497-19-8

Recommended Use: Water treatment pH increaser for swimming pools, spas and hot tubs.

Manufactured By: Tronox Alkali Wyoming Corporation

1735 Market Street

Philadelphia, PA 19103

877-362-2248 or 215-299-6904

Emergency Phone Number: For leak, fire, spill or accident emergencies call Chemtrec 1-800-424-9300.

Distributed By: Baleco International Inc.

3200 Stateline Rd

North Bend, OH 45052

1-877-353-3002

SECTION 2 HAZARDS IDENTIFICATION

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Classification

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation: Category 2

GHS Label elements, including precautionary statements

EMERGENCY OVERVIEW

Warning

Hazard Statements

H319 – Causes serious eye irritation



Precautionary Statements - Prevention

P264 - Wash face, hands and any exposed skin thoroughly after handling

P280 - Wear eye protection/ face protection

Precautionary Statements - 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

Hazards not otherwise classified (HNOC)

No hazards not otherwise classified were identified.

Other Information

May be harmful if swallowed

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS 3

Chemical Family: Alkali salt.

Formula: Na₂CO₃

Chemical Name	CAS No.	Weight %
Sodium Carbonate	497-19-8	100

SECTION 4 FIRST AID MEASURES 4

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

Skin Contact: Wash off with warm water and soap. Get medical attention if irritation develops and persists. Remove and wash contaminated clothing before re-use.

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

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: Causes serious eye damage / eye irritation.

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

SECTION 5 FIRE FIGHTING MEASURES 5

Suitable Extinguishing Media: Use extinguishing agent suitable for type of surrounding fire.

Specific Hazards Arising from the Chemical: Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.

Hazardous Combustion Products: Fumes of sodium oxide. Carbon oxides (COx).

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 6

Personal Precautions: Avoid dust formation. Sweep up to prevent slipping hazard.

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

Environmental Precautions: Do not flush into surface water or sanitary sewer system.

Methods for Containment: Prevent large quantities of this product from contacting vegetation or waterways. Cover with plastic sheet to prevent spreading. Pick up and transfer to properly labeled containers. Keep in suitable and closed containers 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** **7**

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: Store in original container. Keep in properly labeled containers. Keep containers tightly closed.

Incompatible products: Aluminum. Powdered aluminum. Acids.

SECTION 8 **EXPOSURE CONTROLS / PERSONAL PROTECTION** **8**

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: Tightly fitting safety goggles.

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

Hand Protection: Nitrile rubber, Neoprene 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: These recommendations apply to the product as supplied.

SECTION 9 **PHYSICAL AND CHEMICAL PROPERTIES** **9**

Information on basic physical and chemical properties

Appearance:	Granules
Physical State:	Solid
Color:	White
Odor:	Odorless
Odor Threshold:	Not applicable
pH:	11.4 (1 % aqueous solution)
Melting Point/Range:	851 °C
Freezing Point:	No information available
Boiling Point/Range:	No information available
Flash Point:	Not applicable
Evaporation Rate:	No information available
Flammability (solid, gas):	Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes
Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor Pressure:	No information available

Vapor Density:	No information available
Density:	No information available
Specific gravity:	2.52
Water Solubility:	212.5 g/L @ 20 °C
Solubility in other solvents:	No information available
Partition Coefficient:	No information available
Autoignition Temperature:	No information available.
Decomposition Temperature:	400 °C
Viscosity, kinematic:	No information available
Viscosity, dynamic:	No information available
Explosive Properties:	Not explosive
Oxidizing Properties:	Non-oxidizing
Molecular Weight:	105.99
Bulk Density:	0.86 - 1.12 g/cm ³ (Dense grades) 0.70 - 0.90 g/cm ³ (Light Grades)
K _{st} :	0 bar m/s

SECTION 10 STABILITY AND REACTIVITY 10

Reactivity: None under normal use conditions.

Chemical Stability: Stable. Decomposes by reaction with strong acid.

Possibility of Hazardous Reactions: None under normal processing.

Conditions to avoid: Exposure to air or moisture over prolonged periods.

Incompatible materials: Aluminum. Powdered aluminum. Acids.

Hazardous Decomposition Products: Sodium oxides. Carbon oxides (CO_x).

SECTION 11 TOXICOLOGICAL INFORMATION 11

Product Information

LD50 Oral:	2,800 mg/kg (rat)
LD50 Dermal	> 2,000 mg/kg (rabbit)
LC50 Inhalation	2.3 mg/L (rat)
Eye Contact	Irritating to eyes.
Skin Contact	Non-irritating
Sensitization	Patch test on human volunteers did not demonstrate sensitization properties.

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic toxic	No known effect.
Mutagenicity	No information available
Carcinogenicity	Not recognized as carcinogenic by Research Agencies (IARC, NTP, OSHA, ACGIH).
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 12

Ecotoxicity:

Active Ingredient	Duration	Species	Value	Units
Sodium Carbonate	96 h LC50	Bluegill sunfish	300	mg/l

Sodium Carbonate	48 h EC50	Ceriodaphnia	200-227	mg/l
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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 13

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 rinse water in accordance with local and national guidelines.

SECTION 14 TRANSPORTATION INFORMATION 14

Department of Transportation (DOT): Not regulated

TDG Not regulated
ICAO/IATA Not regulated
IMDG/IMO Not regulated

SECTION 15 REGULATORY INFORMATION 15

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: Yes
Chronic Health Hazard: No
Fire Hazard: No
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.

US State Right to Know Regulations: This product does not contain any substances regulated by the state right-to-know regulations.

International Inventories

Component	TSCA (United States)	DSL (Canada)	EINECS/ELI NCS (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)
Sodium Carbonate 497-19-8 (100)	X	X	X	X	X	X	X	X

Mexico – Grade

Moderate risk, Grade 2

WHMIS Hazard Class

D2B Toxic materials, Eye irritation

Class E: Corrosive to aluminum. Not corrosive to animal skin or carbon steel.



D2B – Toxic



E - Corrosive

SECTION 16

OTHER INFORMATION

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HMIS RATING:

HEALTH	2
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	X

NFPA:



Revision Date: 04/30/2015

Reason for Revision: Updates to all sections to bring into GHS compliance.

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End of Safety Data Sheet