

Product name Clear Spa 104 Spa Solutions PH Plus

Revision date 5-15-15

Section 1 Identification

Product ID: pH Plus

Chemical Name: Sodium Carbonate, Anhydrous

Synonyms: Sodium carbonate; Carbonic acid, disodium salt; Disodium carbonate

Chemical Formula: NA2CO3 CAS Number: 497-19-8

Product Use: Raises pH, Prevents Corrosion

Supplier: Oreq Corporation

42306 Remington Avenue Temecula, CA 92590

951-296-5076

Emergency Telephone# Chemtrec: 1-800-424-9300

Section 2 Hazards identification

OSHA Regulatory Status

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

GHS CLASSIFICATION: Serious eye damage/eye irritation- Category 2

GHS SIGNAL WORD: WARNING

(!)

HAZARD PICTOGRAMS:

HAZARD STATEMENT(S):

H319 - Causes serious eye irritation

PRECAUTIONARY STATEMENT(S)- Prevention:

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

P280 - Wear eye protection/ face protection

PRECAUTIONARY STATEMENT(S)- 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

Ingredients

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

Formula NA2CO3 Chemical Family Alkali salt



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Section 4 First - aid measures

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms Eye contact

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

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

Explosion Data

Fumes of sodium oxide. Carbon oxides (COx)

Sensitivity to Mechanical Impact Not sensitive. Sensitivity to Static Discharge

Protective equipment and

Not sensitive.

precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure demand

MSHA/NIOSH (approved or equivalent) and full protective gear

Accidental release measures Section 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

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 Incompatible products

Store in original container. Keep in properly labeled containers. Keep containers tightly closed. Aluminum. Powdered aluminum. 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 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

Appearance Granules
Color White
Physical state Solid
Odor odorless
Odor Threshold not applicable

pH 11.4 (as aqueous solution)

Melting Point/Range 851 °C

Freezing point No information available

Boiling Point/Rangenot applicableFlash PointNot combustibleEvaporation rateNot applicable

Flammable (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 availableLower flammability limit:No information availableVapor pressureNo information availableVapor densityNo information availableDensityNo information available

Specific gravity 2.52

Water solubility 212.5 g/L @ 20 °C Solubility in other solvents No information available

Partition coefficient: Not applicable
Autoignition Temperature Not combustible

Decomposition Temperature 400 °C



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Section 9 Physical and chemical properties (Continued)

Viscosity. kinematicNo information availableViscosity, dynamicNo information available

Explosive properties Not explosive Oxidizing properties Non-oxidizing Molecular Weight 105.99

Bulk density 0.86 - 1.12 g/cm³ (Dense grades) 0.70 - 0.90 g/cm³ (Light Grades)

Kst 0 bar m/s

Section 10 Stability and reactivity

Reactivity None under normal use conditions.

Chemical Stability Stable. Decomposes by reaction with strong acid.

Possibility of Hazardous Reactions None under normal processing.

Hazardous polymerization Hazardous polymerization does not occur.

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

Incompatible materials Aluminium. Powdered aluminum. Acids.

Hazardous Decomposition Products Sodium oxides. Carbon oxides (COx).

Section 11 Toxicological information

Product Information

 $\begin{array}{ll} \textbf{LD50 Oral} & 2,800 \text{ mg/kg (rat)} \\ \textbf{LD50 Dermal} & > 2,000 \text{ mg/kg (rabbit)} \\ \end{array}$

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 toxicity

No known effect.

Mutagenicity No information available

Carcinogenicity Not recognized as carcinogenic by Research Agencies (IARC, NTP, OSHA, ACGIH).

Reproductive toxicity
STOT - single exposure
STOT - repeated exposure
Aspiration hazard

No information available.
No information available.
No information available.



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Section 12 Ecological information

Ecotoxicity

Sodium carbonate (497-19-8)						
Active Ingredient(s)	Duration	Species	Value	Units		
Sodium Carbonate	96 h LC50	Bluegill sunfish	300	mg/L		
Sodium Carbonate	48 h EC50	Ceriodaphnia	200-227	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

TDG Not regulated

ICAO/IATA Not regulated

IMDG/IMO 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 HazardYESChronic Health HazardNOFire HazardNOSudden Release of Pressure HazardNOReactive HazardNO

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)



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Section 15 Regulatory information (Continued)

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 CFR355). 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/ELI NCS (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)
Sodium Carbonate 497-19-8 (100)	Х	Х	X	X	X	Х	X	Х

International Regulations

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.

Section 16 Other information

NFPA	Health Hazard 2	Flammability 0	Stability 0	Special Hazards -
HMIS	Health Hazard 2	Flammability 0	Stability 0	Special Protection X

NFPA/HMIS Ratings Legend Severe = 4; Serious = 3; Moderate = 2; Slight = 1; Minimal = 0

DATE OF PREPARATION 5-15-15

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