SAFETY DATA SHEET
Splash pH Plus -
Sodium Carbonate, Anhydrous

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name 
Splash pH Plus - Sodium Carbonate, Anhydrous

Other means of identification

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

Chemical Family

Alkali salt

Recommended use of the chemical and restrictions on use

Recommended Use: 
Water treatment chemical, Chemical processing

Restrictions on Use: 
See section 16 for more information

Manufacturer Address

Buckman’s Inc
105 Airport Road
Pottstown, PA 19464
Tel: +1 610-495-7495
www.buckmansinc.com

Emergency telephone number

For leak, fire, spill or accident emergencies, call:
1 800 / 424 9300 (CHEMTREC - U.S.A.)

Additional Information: Consumer Products: When packaged in quantities of 50lbs or less, and used in a manner and frequency typical of consumer use, Buckman’s Inc considers this product a consumer use product which is regulated by the Consumer Product Safety Commission (CPSC). Because SCPS labeling requirements differ from Occupational Safety and Health Administration (OSHA) GHS requirements for safety data sheets (SDS), slight differences in hazard information between the product label and SDS may be observed.

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

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

<table>
<thead>
<tr>
<th>Serious eye damage/eye irritation</th>
<th>Category 2</th>
</tr>
</thead>
</table>

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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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Family Alkali salt.
Formula Na₂CO₃

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium carbonate</td>
<td>497-19-8</td>
<td>100</td>
</tr>
</tbody>
</table>

Synonyms are provided in Section 1.

4. FIRST AID MEASURES

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.

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
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.

6. ACCIDENTAL RELEASE MEASURES

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.

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

Incompatible products
Aluminium. Powdered aluminum. Acids

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

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Granules</td>
</tr>
<tr>
<td>Physical State</td>
<td>Solid</td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
</tr>
<tr>
<td>Odor</td>
<td>odorless</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not applicable</td>
</tr>
<tr>
<td>pH</td>
<td>11.4 (1% solution in water)</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>851 °C</td>
</tr>
<tr>
<td>Boiling Point/Range</td>
<td>No information available</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes</td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit</td>
<td>No information available</td>
</tr>
<tr>
<td>Lower flammability limit</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor density</td>
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</tr>
<tr>
<td>Density</td>
<td>No information available</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>2.52</td>
</tr>
<tr>
<td>Water solubility</td>
<td>212.5 g/L @ 20 °C</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No information available</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No information available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>400 °C</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No information available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No information available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Non-oxidizing</td>
</tr>
<tr>
<td>Molecular weight</td>
<td>105.99</td>
</tr>
<tr>
<td>Bulk density</td>
<td>0.86 - 1.12 g/cm³ (Dense grades) 0.70 - 0.90 g/cm³ (Light Grades)</td>
</tr>
<tr>
<td>Kst</td>
<td>0 bar m/s</td>
</tr>
</tbody>
</table>

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**10. STABILITY AND REACTIVITY**

**Reactivity**
None under normal use conditions.

**Chemical Stability**
Stable. Decomposes by reaction with strong acid.
Sodium Carbonate, Anhydrous

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.


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

11. TOXICOLOGICAL INFORMATION

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 toxicity  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.

12. ECOLOGICAL INFORMATION

Ecotoxicity

<table>
<thead>
<tr>
<th>Sodium carbonate (497-19-8)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active Ingredient(s)</td>
</tr>
<tr>
<td>Sodium Carbonate</td>
</tr>
<tr>
<td>Sodium Carbonate</td>
</tr>
</tbody>
</table>

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

13. DISPOSAL CONSIDERATIONS
Sodium Carbonate, Anhydrous

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.

14. TRANSPORT INFORMATION

DOT
NOT REGULATED

TDG
NOT REGULATED

ICAO/IATA
NOT REGULATED

IMDG/IMO
NOT REGULATED

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
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.

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

International Inventories

<table>
<thead>
<tr>
<th>Component</th>
<th>TSCA (United States)</th>
<th>DSL (Canada)</th>
<th>EINECS/ELINCS (Europe)</th>
<th>ENCS (Japan)</th>
<th>China (IECSC)</th>
<th>KECL (Korea)</th>
<th>PICCS (Philippines)</th>
<th>AICS (Australia)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium carbonate</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>
Sodium Carbonate, Anhydrous

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.

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMIS</td>
<td>Health Hazards</td>
<td>Flammability</td>
<td>Physical hazard</td>
<td>Personal Protection</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>NFPA/HMIS Ratings Legend</td>
<td>Severe = 4; Serious = 3; Moderate = 2; Slight = 1; Minimal = 0</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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Prepared By:

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End of Safety Data Sheet