



SAFETY DATA SHEET

According to OSHA Hazard Communication Standard 29 CFR 1910.1200 (GHS)

| | | |
|----------------------|------------------------|--------------------|
| Product name | ProTech pH Plus | |
| Product id | AS_9020_PT | |
| Revision date | 02/11/2014 | Revision: 4 |
| Supersedes | 22/08/2011 | |

1. Identification of the substance & the company

| | |
|--------------------------------|--|
| Chemical name | Sodium carbonate, anhydrous |
| Synonym(s) | Soda salt, soda crystal, disodium carbonate, soda ash |
| Chemical formula | Na_2CO_3 |
| Type of product and use | pH adjustment for pools, spas and hot tubs |
| Supplier | NAVA Water Products 95 MacCorkle Ave. SW, South Charleston, WV 25303, USA Toll Free Number: 1-800-811-2327 |
| Emergency Telephone | Chemtrec: (800) 424-9300 Medical: (800) 420-9236 |

2. Hazards identification

GHS classification Eye Irrit. 2, H319 Causes serious eye irritation

Labels and other form of warning

Symbol(s)



Signal Word WARNING

Hazard statements H319 - Causes serious eye irritation

Precautionary statements P264 - Wash hands thoroughly after handling
P280 - Wear protective gloves/protective clothing/eye protection/face protection
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

NFPA Ratings (Scale 0-4) Health = 2, Fire = 0, Reactivity = 0.



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HMIS Ratings (Scale 0-4) Health = 2, Fire = 0, Reactivity = 0.

3. Composition / information on ingredients

| Components | CAS No. | Weight % |
|------------------|----------|----------|
| SODIUM CARBONATE | 497-19-8 | 100 |

4. First-aid measures

Eye contact Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin contact Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation In case of dust inhalation or breathing fumes released from heated material, remove person to fresh air. Keep him quiet and warm. Apply artificial respiration if necessary and get medical attention immediately.

Ingestion Call poison control center, or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

Most important symptoms and effects, acute or delayed

- **Eye Contact** Causes serious eye irritation

- **Skin contact** May cause skin irritation, seen as redness and swelling. In the presence of moisture or sweat, irritation may become more severe leading to rash. May cause dry and chapped skin.

- **Inhalation** May be irritating to mucous membranes and eyes.

- **Ingestion** May cause severe irritation and risk of burns to the mouth, throat, esophagus and stomach. Ingestion of large quantities can cause nausea and vomiting (bloody)

Note to physician No specific antidote.
Treat symptomatically and supportively.



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5. Fire - fighting measures

Suitable extinguishing media Material is not combustible. Use extinguishing media appropriate to surrounding fire conditions.

Unusual fire and explosion hazards None known

Fire fighting procedure In closed stores, provide fire-fighters with self-contained breathing apparatus in positive pressure mode

6. Accidental release measures

Personal precautions See section "Exposure controls/personal protection".

Methods for cleaning up Shovel into suitable container for disposal. Ventilate area and wash spill site after material pickup is complete. Observe all federal, state and local environmental regulations.

Environmental precautions Prevent from entering into soil, ditches, sewers waterways and/or groundwater.

7. Handling and storage

Handling Avoid prolonged or repeated contact with skin or eyes. Do not wear contact lenses without proper eye protection when using this product. Avoid prolonged or repeated breathing of dusts. Use vacuum or wet mop to clean up dust.

Storage Keep in a closed, properly labeled container in a dry area away from acids. Protect from physical damage.

8. Exposure controls / personal protection

Exposure Limits :

| Components | ACGIH-TLV Data | OSHA (PEL) Data |
|------------------------------|----------------|-----------------|
| SODIUM CARBONATE 497-19-8 | Not determined | Not determined |



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Ventilation requirements Ventilation must be sufficient to maintain airborne of total dust below 15 mg/m³, respirable fraction 5 mg/m³, OSHA recommendation for Particulates Not Otherwise Regulated (PNOR).

Personal protective equipment:

- **Respiratory protection** In case of significant or accidental dust emissions, NIOSH approved dust mask should be worn
- **Hand protection** Cotton gloves are adequate for routine handling of dry product
- **Eye protection** In cases of significant dust, goggles are recommended
- **Skin and body protection** Body covering clothes and boots

Hygiene measures Do not eat, smoke or drink where material is handled, processed or stored. Wash hands thoroughly after handling and before eating or smoking. Safety shower and eye bath should be provided.

9. Physical and chemical properties

Appearance White granules
Odor Slightly pungent
pH 11.6 (1% solution)
Melting point/range 851°C (1564°F)
Boiling point/range Not applicable
Flash point Non-combustible
Flammable/Explosion limits Not flammable
Vapor pressure Not applicable
Vapor density Not applicable
- Solubility in water 33% maximum by weight in water
Auto-ignition temperature Not applicable
Decomposition temperature >400°C
Viscosity No data available
Specific gravity 2.533(20°C)

10. Stability and reactivity

Reactivity Hygroscopic
Stability Stable under normal conditions
Possibility of hazardous reactions None known
Conditions to avoid Extreme heat. Exposure to moisture.



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| Materials to avoid | Under certain conditions, may react with Al, P ₂ , O ₅ , F ₂ , Li and 2,4,6-trinitrotoluene. Reacts with acids and releases large volumes of CO ₂ gas and heat. Soda ash and lime dust in the presence of moisture may form caustic soda, which may cause burns. |
|---------------------------|--|

| | |
|---|------------|
| Hazardous decomposition products | None known |
|---|------------|

11. Toxicological information

Acute toxicity:

- | | |
|------------------------------|-----------------|
| - Rat oral LD50 | >2000 mg/kg |
| - Rat inhalation LC50 | 2.3 mg/L (2h) |
| - Eye irritation (rabbit) | Severe irritant |
| - Dermal irritation (rabbit) | Mild irritant. |

| | |
|-------------------------|-------------------|
| Chronic toxicity | No data available |
|-------------------------|-------------------|

| | |
|------------------------|--|
| Carcinogenicity | Not classified by IARC, OSHA, EPA. Not included in NTP 13th Report on Carcinogens |
|------------------------|--|

12. Ecological information

Aquatic toxicity :

- | | |
|-------------------------------|---------------------------------------|
| - 96 Hour-LC50, Fish | 300 mg/l (Lepomis macrochirus) |
| - 48 Hour-EC50, Daphnia magna | 265 mg/l |
| - EC50, Freshwater algae | 242 mg/l (5 days, Nitzschia linearis) |

13. Disposal considerations

| | |
|-----------------------|--|
| Waste disposal | Observe all federal, state and local environmental regulations when disposing of this material |
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|------------------------------|--|
| Disposal of Packaging | Empty packaging may contain product residues and due consideration should be given prior to disposal |
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14. Transportation information

DOT Not regulated

15. Regulatory information

USA Reported in the EPA TSCA Inventory.

CERCLA/SARA - 302 ext. haz. substances This product contains no Hazardous Substances listed in 40 CFR Part 302.

- SARA (311, 312) Hazard Class - Acute
Planning threshold: 10,000 lbs
Hazard Class - Chronic
Planning threshold: 10,000 lbs

- California-Prop 65 This product does not contain any ingredient known to the State of California to cause cancer or reproductive toxicity as listed under the State drinking Water and Toxic Enforcement Act of 1986.

- Waste Classifications This material does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 40CFR 261.33. Not listed under CERCLA.

Canada Listed in DSL

-WHMIS hazard class D2B Toxic materials causing other toxic effects
E corrosive material

16. Other information

This data sheet contains changes from the previous version in section(s)
2, 4, 10, 16

All sections reformatted in accordance with OSHA Hazard Communication Standard 29 CFR 1910.1200 (GHS)



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In an event of discrepancy between the contents of this SDS and the English version of it, the English version shall prevail.

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End of safety data sheet