



MATERIAL SAFETY DATA SHEET

Product Name pH Increaser
Product id 9020
Revision date 12/11/2006
Supersedes 29/09/2003

Revision: 2

1. Identification of the substance & the company

Chemical name Sodium carbonate, anhydrous
Synonym(s) Soda salt, soda crystal, disodium carbonate, soda ash
Chemical formula Na₂CO₃
Molecular weight 105.99
Supplier NAVA Water Products
95 MacCorkle Ave. SW, South Charleston, WV 25303, USA
Tel: (304) 746-3000
Emergency Telephone Chemtrec (800)424-9300

2. Composition / information on ingredients

Components CAS	Weight %	ACGIH-TLV Data	OSHA (PEL) Data
SODIUM CARBONATE 497-19-8	100	Not determined	Not determined

3. Hazards identification

Emergency overview *Odorless, white granules.
Severe irritant to eyes*

Potential Health Effects:

- Eye Contact Severe irritant.
- Skin contact Not irritant to intact skin.

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

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



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4. First-aid measures

Eye contact	Holding the eyelids apart, flush eyes promptly with copious flowing water for at least 20 minutes. Get medical attention immediately.
Skin contact	Remove contaminated clothing. Wash skin thoroughly with mild soap and plenty of water for at least 15 minutes. Wash clothing before re-use. Get medical attention if irritation occurs and persists.
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	If swallowed, wash mouth thoroughly with plenty of water and give water to drink. Get medical attention immediately. ***** NOTE: Never give an unconscious person anything to drink. *****
Note to physician	Treat symptomatically and supportively.

5. Fire - fighting measures

Flash point	Non-combustible
Flammable/Explosion limits	Not flammable
Auto-ignition temperature	Not applicable
Suitable extinguishing media	Material is not combustible. Use extinguishing media appropriate to surrounding fire conditions.
Fire fighting procedure	In closed stores, provide fire-fighters with self-contained breathing apparatus in positive pressure mode.
Unusual fire and explosion hazards	None known

6. Accidental release measures

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.
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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

Ventilation requirements Provide adequate ventilation.

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** Safety glasses or goggles 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 carefully before eating or smoking

9. Physical and chemical properties

Appearance White granules
Odor None
Melting point/range 851°C (1564°F)
Boiling point/range Not applicable
Vapour pressure Not applicable
Vapor density Not applicable
Solubility:
- **Solubility in water** 33% maximum by weight in water
Specific gravity 2.533(20°C)
pH 11.3 (1% solution)

10. Stability and reactivity

Stability Stable under normal conditions
Materials to avoid Acids
Hazardous decomposition products Carbon dioxide (CO₂) is evolved at very high temperatures (1000°C, 1832°F) or when mixed with acids



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Hazardous polymerization Will not occur

11. Toxicological information

Acute toxicity:

- Eye irritation (rabbit) Severe irritant
- Dermal irritation (rabbit) Not irritant. Minor irritation to abraded skin.

Effects of overexposure: May cause severe irritation to the eyes. Dusts and mists may be irritating to the skin, mucous membranes and upper respiratory tract..

Chronic toxicity No data available

Carcinogenicity Not classified by IARC, OSHA, EPA.
Not included in NTP 11th Report on Carcinogens.

12. Ecological information

Environmental Effects Irrigation on fields or vegetable gardens: Less than 60 mg/l - no risk; between 60 mg/l and 130 mg/l medium risk; more than 130 mg/l - risk for legumes of vegetable gardens, wheat, etc.

Aquatic toxicity :
- 48 Hour-LC50, Daphnia magna 115-150 mg/l

13. Disposal considerations

Waste disposal Observe all federal, state and local environmental regulations when disposing of this material.

14. Transportation information

DOT Not regulated

IMO Not regulated

ICAO/IATA Not regulated

15. Regulatory information

USA Reported in the EPA TSCA Inventory



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

Sara 313 Not listed

Sara (311, 312) hazard class Hazard Class - Acute
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

16. Other information

This data sheet contains changes from the previous version in section(s)
2, 3, 9, 13, 15

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End of safety data sheet