



MATERIAL SAFETY DATA SHEET

Product Name Azure pH Increaser
Product id 9020-AZ
Revision date 16/11/2006 **Revision: 2**
Supersedes 23/03/2006

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.



MATERIAL SAFETY DATA SHEET

Product Name	Azure pH Increaser	
Product id	9020-AZ	
Revision date	16/11/2006	Revision: 2
Supersedes	23/03/2006	

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.
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



MATERIAL SAFETY DATA SHEET

Product Name	Azure pH Increaser	
Product id	9020-AZ	
Revision date	16/11/2006	Revision: 2
Supersedes	23/03/2006	

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.

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 available
Vapor density	Not applicable
Viscosity	No data available



MATERIAL SAFETY DATA SHEET

Product Name Azure pH Increaser
Product id 9020-AZ
Revision date 16/11/2006
Supersedes 23/03/2006

Revision: 2

Solubility:
- Solubility in water 33% maximum by weight in water
Specific gravity 2.533 (25°C)
pH 11.3 (1% solution)
Decomposition temperature > 400°C

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
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



MATERIAL SAFETY DATA SHEET

Product Name	Azure pH Increaser	
Product id	9020-AZ	
Revision date	16/11/2006	Revision: 2
Supersedes	23/03/2006	

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
Cercla/Sara - 302 ext. haz. substances	This product contains no Hazardous Substances listed in 40 CFR Part 302.
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, 11, 13, 15



MATERIAL SAFETY DATA SHEET

Product Name Azure pH Increaser
Product id 9020-AZ
Revision date 16/11/2006
Supersedes 23/03/2006

Revision: 2

Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof, NAVA Water Products makes no representations as to the completeness or accuracy thereof.

Information is supplied upon the condition that the persons receiving same will make their own determination as to its safety and suitability for their purposes prior to use.

In no event will NAVA Water Products be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information.

NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANT ABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE, ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH THE INFORMATION REFERS.

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

End of safety data sheet