



## SAFETY DATA SHEET

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

<b>Product name</b>	<b>ProTech Chlorine Stabilizer</b>	
<b>Product id</b>	AS_2011C_PT	
<b>Revision date</b>	31/08/2014	<b>Revision: 4</b>
<b>Supersedes</b>	25/07/2011	

### 1. Identification of the substance & the company

<b>Chemical name</b>	Cyanuric acid
<b>Synonym(s)</b>	Cyanuric Acid Powder, Cyanuric Acid Granular, Isocyanuric acid, Cyanuric acid
<b>Chemical family</b>	Isocyanurate
<b>Type of product and use</b>	This product reduces chlorine loss and extends chlorine efficiency
<b>Supplier</b>	NAVA Water Products 95 MacCorkle Ave. SW, South Charleston, WV 25303, USA Toll Free Number: 1-800-811-2327
<b>Emergency Telephone</b>	Chemtrec: (800) 424-9300 Medical: (800) 420-9236

### 2. Hazards identification

<b>GHS</b>	Product is not subject to classification according to GHS. No label elements required.
<b>GHS classification</b>	Not Classified
<b>Labels and other form of warning</b>	Not classified
<b>Symbol(s)</b>	
<b>NFPA Ratings (Scale 0-4)</b>	Health = 0, Fire = 0, Reactivity = 0.
<b>HMIS Ratings (Scale 0-4)</b>	Health = 0, Fire = 0, Reactivity = 0

### 3. Composition / information on ingredients

Components	CAS No.	Weight %
Cyanuric acid	108-80-5	90-100



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### 4. First-aid measures

<b>Eye contact</b>	Holding the eyelids apart, flush eyes promptly with copious flowing water for at least 20 minutes. Get medical attention immediately.
<b>Skin contact</b>	Remove contaminated clothing. Wash skin thoroughly with mild soap and plenty of water for at least 15 minutes. Wash clothing before reuse. Get medical attention if irritation occurs and persists.
<b>Inhalation</b>	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.
<b>Ingestion</b>	If swallowed, wash mouth thoroughly with plenty of water. Get medical attention immediately. ++++ NOTE: Never give an unconscious person anything to drink. ++++

#### Most important symptoms and effects, acute or delayed

<b>- Inhalation</b>	No significant adverse effects to health would be expected to occur from inhalation with normal use of this product. However, if dust is created and inhaled, inhalation may cause mild irritation to the throat, mucous membranes and upper respiratory tract.
<b>- Ingestion</b>	Ingestion may cause gastrointestinal discomfort with any or all of the following symptoms: nausea, vomiting, lethargy or diarrhea.
<b>Note to physician</b>	No specific antidote. Treat symptomatically and supportively.

### 5. Fire - fighting measures

<b>Suitable extinguishing media</b>	Water fog or fine spray. Carbon dioxide, dry chemical, alcohol resistant foam.
<b>Unusual fire and explosion hazards</b>	When heated to decomposition, may release poisonous fumes of Carbon Dioxide, Carbon Monoxide and Nitrogen Oxides.
<b>Fire fighting procedure</b>	Cool containers with water spray. In closed stores, provide fire-fighters with self-contained breathing apparatus in positive pressure mode.



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### 6. Accidental release measures

**Personal precautions** Avoid dust formation. Avoid breathing dust/fume/gas/mist/vapors/spray Wear appropriate safety clothing and eye/face protection (see Section 8)

**Methods for cleaning up** Sweep up, place in a suitable container and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

**Environmental precautions** Do not let product enter drains.

### 7. Handling and storage

**Handling** Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. Do not take internally. Avoid contact with skin, eyes, and clothing.

**Storage** Keep containers tightly closed. Store in a dry, cool, well-ventilated area.

### 8. Exposure controls / personal protection

Exposure Limits :

Components	ACGIH-TLV Data	OSHA (PEL) Data
Cyanuric acid 108-80-5	Not determined	Not determined

**Ventilation requirements** Use local exhaust as necessary, especially under dusty conditions.

**Personal protective equipment:**

- **Respiratory protection** No respirator is required under normal conditions of use. A NIOSH approved respirator with N95 (dust, fume, mist) filters may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure.
- **Hand protection** Nitrile rubber
- **Eye protection** Chemical safety goggles
- **Skin and body protection** Body covering clothes and boots



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<b>Hygiene measures</b>	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.
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### 9. Physical and chemical properties

<b>Appearance</b>	White powder
<b>Odor</b>	Not determined
<b>Melting point/range</b>	>360°C (>680°F) (Lit.)
<b>Boiling point/range</b>	Not determined
<b>Flash point</b>	Not determined
<b>Evaporation rate (ether=1)</b>	Not determined
<b>Flammable/Explosion limits</b>	Not determined
<b>Vapor pressure</b>	Not determined
<b>Vapor density</b>	Not determined
<b>- Solubility in water</b>	Not determined
<b>Partition coefficient (n-octanol/water)</b>	Log Kow - -1.31 at 25°C (77°F)
<b>Auto-ignition temperature</b>	Not determined
<b>Decomposition temperature</b>	Not determined
<b>Specific gravity</b>	Not determined

### 10. Stability and reactivity

<b>Reactivity</b>	No data available
<b>Stability</b>	Stable under normal conditions
<b>Possibility of hazardous reactions</b>	No data available
<b>Conditions to avoid</b>	No data available.
<b>Materials to avoid</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Cyanic acid, nitrogen oxides, carbon monoxide, carbon dioxide.

### 11. Toxicological information

**Note:** *To the best of our knowledge, the toxicological properties of this material have not been thoroughly investigated.*



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### Acute toxicity:

- Rat oral LD50 >5000 mg/kg

- Rabbit dermal LD50 >5000 mg/kg

- Eye irritation (rabbit) Not irritant

- Dermal irritation (rabbit) Not irritant

Dermal sensitization No data available

Chronic toxicity Rat - oral - No observed adverse effect level - 154 mg/kg; Lowest observed adverse effect level - 371 mg/kg (RTECS: XZ1800000)

Mutagenicity Cyanuric acid was demonstrated to be non-mutagenic in the Ames assay, both with or without metabolic activation.

Carcinogenicity Cyanuric acid is not known to be a carcinogen.  
Not classified by IARC, OSHA, EPA.  
Not included in NTP 13th Report on Carcinogens

Reproductive toxicity No data available

## 12. Ecological information

### Aquatic toxicity :

- 96 Hour-LC50, Fish >2,100 mg/l (Fathead minnow)

- 48 hour-LC50, Daphnia magna >1,000 mg/l (Water flea)

Persistence and degradability No data available

Bioaccumulative potential No data available

Mobility in soil No data available

## 13. Disposal considerations

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

Disposal of Packaging Dispose of as unused product.



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### 14. Transportation information

**DOT** Not regulated  
**IMDG** Not regulated  
**ICAO/IATA** Not regulated

### 15. Regulatory information

**USA** Reported in the EPA TSCA Inventory.

- **Emergency overview in accordance to EPA Master Label** White granules or powder  
Irritant to eyes and respiratory system.

- **Section 302 (EHS):** Not listed

- **SARA 313** Not listed

- **SARA (311, 312)** Not listed

- **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.

### 16. Other information

**This data sheet contains changes from the previous version in section(s)**  
1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 15

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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**