

SAFETY DATA SHEET

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

Product name **Cyanuric Acid**

Revision date 5/25/2015

1. Identification of the substance & the company

Chemical name

Synonym(s)

Chemical family

Type of product and use

Supplier

Emergency Telephone

Cyanuric acid

Cyanuric Acid Powder, Cyanuric Acid Granular, Isocyanuric acid, Cyanuric acid

Isocyanurate

This product reduces chlorine loss and extends chlorine efficiency

Buckman's Inc
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Pottstown PA USA
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Chemtrec (800)424-9300

2. Hazards identification

GHS

GHS classification

Product is not subject to classification according to GHS. No label elements required.

Not Classified

Labels and other form of warning Not classified

Symbol(s)

NFPA Ratings (Scale 0-4) HMIS Ratings (Scale 0-4)

Health = 0, Fire = 0, Reactivity = 0. 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

Eye contact

Skin contact

Inhalation

Ingestion

Holding the eyelids apart, flush eyes promptly with copious flowing water for at least 20 minutes. Get medical attention immediately.

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.

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.

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

- Inhalation

- Ingestion

Note to physician

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.

Ingestion may cause gastrointestinal discomfort with any or all of the following symptoms: nausea, vomiting, lethargy or diarrhea.

No specific antidote.
Treat symptomatically and supportively.

5. Fire - fighting measures

Suitable extinguishing media

Unusual fire and explosion hazards

Water fog or fine spray. Carbon dioxide, dry chemical, alcohol resistant foam.

When heated to decomposition, may release poisonous fumes of Carbon Dioxide, Carbon Monoxide and Nitrogen Oxides.

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Fire fighting procedure	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

Methods for cleaning up

Environmental precautions

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

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

Do not let product enter drains.

7. Handling and storage

Handling

Storage

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.

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

Personal protective equipment: - Respiratory protection

- Hand protection - Eye protection
- Skin and body protection

Use local exhaust as necessary, especially under dusty conditions.

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. Nitrile rubber

Chemical safety goggles

Body covering clothes and boots

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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 Odor

Melting point/range **Boiling point/range** **Flash point**

Evaporation rate (ether=1) **Flammable/Explosion limits** **Vapor pressure**

Vapor density

- Solubility in water **Partition coefficient (n-octanol/water)**

Auto-ignition temperature **Decomposition temperature** **Specific gravity**

White powder Not determined

>360°C (>680°F) (Lit.) Not determined

Not determined Not determined Not determined

Not determined Not determined Not determined

Log Kow - -1.31 at 25°C (77°F) Not determined
Not determined Not determined

10. Stability and reactivity

Reactivity **Stability**

Possibility of hazardous reactions

Conditions to avoid **Materials to avoid** **Hazardous decomposition products**

No data available.

Stable under normal conditions No data available

No data available. Strong oxidizing agents.

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.*

Acute toxicity:

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- Rat oral LD50	>5000 mg/kg
- Rabbit dermal LD50	>5000 mg/kg

- Eye irritation (rabbit)

- Dermal irritation (rabbit)

Dermal sensitization

Chronic toxicity

Mutagenicity

Carcinogenicity

Reproductive toxicity

Not irritant

Not irritant

No data available

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

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

Cyanuric acid is not known to be a carcinogen. Not classified by IARC, OSHA, EPA.

Not included in NTP 12th Report on Carcinogens

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

Bioaccumulative potential

Mobility in soil

No data available

No data available

No data available

13. Disposal considerations

Waste disposal

Disposal of Packaging

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

Dispose of as unused product.

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14. Transportation information

DOT

IMDG

ICAO/IATA

Not regulated

Not regulated

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):**

- **SARA 313**

- **SARA (311, 312)**

- **California-Prop 65**

Not listed

Not listed

Not listed

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

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, Buckman's Inc 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 Buckman's Inc 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.

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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.

Prepared by

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End of safety data sheet

