



SAFETY DATA SHEET

1. Product and Company Identification

Product Name Pristiva™ Instant UV Block
CAS # 2624-17-1 (monosodium cyanurate monohydrate)
Product use Liquid Pool Water Stabilizer/Conditioner

Supplier Pristiva c/o Backyard Brands, Inc.
401 S. Enterprise Blvd.
Lebanon, IN 46052 US • 1-866-875-0012

24 HR. EMERGENCY TELEPHONE NUMBERS
Poison Control Center (Medical): (877) 800 - 5553
CANUTEC (Canadian Transportation): (613) 996 - 6666
CHEMTREC (US Transportation): (800) 424 - 9300.

NFPA RATING:

HEALTH	1
FIRE	0
REACTIVITY	0

HMIS RATING:

HEALTH:	/	1
FLAMMABILITY:		0
PHYSICAL HAZARD:		0
PERSONAL PROTECTION:		

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

2. Hazards Identification

EYES: May cause mild irritation.

SKIN: No effects known.

INHALATION: No effects known.

INGESTION: No effects known.

EXPOSURE LIMITS:

10 mg/m³ TWA (WEEL) (total particulate)

5 mg/m³ TWA (WEEL) (respirable particulate)

AIHA recommended

*For any exposure, if adverse symptoms occur, seek medical attention.

3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Monosodium cyanurate monohydrate	2624-17-1	35-42%
Cyanuric acid	108-80-5	1-2%
Water	7732-18-5	Balance %

4. First Aid Measures

EYES

Hold the eyelids apart and flush the eye gently with a large amount of water for at least 15 minutes. Get immediate medical attention.

SKIN:

Remove contaminated clothing. Wash skin with soap and water. If irritation occurs, get medical attention.

INHALATION:

If adverse symptoms occur, remove from contaminated area. If symptoms of overexposure occur, get medical attention.

INGESTION:

No effects expected for small amounts. If large amounts are ingested, get medical attention.

5. Fire Fighting Measures

FLASHPOINT: Not available.

FLASHPOINT AND METHOD: Not available.

FIRE AND EXPLOSION HAZARDS: Negligible fire hazard.

EXTINGUISHING MEDIA: Use extinguishing agents appropriate for the surrounding fire.

FIRE FIGHTING: Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas. Wear NIOSH-approved positive-pressure self-contained breathing apparatus.

SENSITIVITY TO MECHANICAL IMPACT: Not sensitive.

SENSITIVITY TO STATIC DISCHARGE: Not sensitive.

FLASHPOINT: None.

HAZARDOUS COMBUSTION PRODUCTS: None.

6. Accidental Release Measures

OCCUPATIONAL RELEASE: Scoop up or mop up spilled liquid and place in an appropriate clean container for disposal. Keep out of water supplies, storm drains and sewers.

7. Handling and Storage

STORAGE: Store and handle in accordance with all current regulations and standards. Store in a cool, dry place. Store in a well-ventilated area. Keep separated from incompatible substances.

HANDLING: Wash thoroughly after handling. Use only with adequate ventilation.

8. Exposure Controls / Personal Protection

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

CYANURIC ACID:

10 mg/m³ AIHA recommended TWA (WEEL) (total particulate)

5 mg/m³ AIHA recommended TWA (WEEL) (respirable particulate)

EXPOSURE LIMITS:

EYE PROTECTION: Wear chemical resistant safety goggles if eye contact is likely. An emergency eye wash fountain may be provided.

CLOTHING: Wear appropriate clothing. Contaminated clothing should be removed and laundered before reuse.

GLOVES: Wear suitable gloves.

PROTECTIVE MATERIAL TYPES: Butyl rubber, natural rubber, neoprene, nitrile, polyvinyl chloride (PVC)

RESPIRATOR: No respirator is required under normal conditions of use.

9. Physical & Chemical Properties

PHYSICAL STATE: Liquid slurry

ODOUR: None

APPEARANCE: White, thick

COLOUR: White

pH: 8.0-8.4
VAPOUR PRESSURE: Not Available
VAPOUR DENSITY: Not Available
BOILING POINT: Not Available
MELTING POINT/FREEZING POINT: Not Available
SOLUBILITY IN WATER: 2% @25°C
DENSITY: 10.4 lbs/Gal.
SPECIFIC GRAVITY: 1.25
EVAPORATION RATE: Not available
VOC %: Not available
VISCOSITY: Not available
PERCENT VOLATILE: Not available
MOLECULAR FORMULA: Na-H₂-C₃-N₃-O₃· H₂O
MOLECULAR WEIGHT: 169.08

Note: Physical and chemical properties listed above are general and approximate and are not intended as product specifications.

10. Chemical Stability & Reactivity Information

STABILITY: Stable at normal temperatures and pressure.

CONDITIONS TO AVOID: Avoid contact with incompatible materials.

INCOMPATIBLE MATERIALS: Acids, oxidizing materials

HAZARDOUS DECOMPOSITION: Thermal decomposition products or combustion: cyanic acid, ammonia, oxides of carbon, oxides of nitrogen.

POLYMERIZATION: Hazardous polymerization will not occur.

11. Toxicological Information

Sodium Cyanurate: 2144 mg/kg intravenous-cat LD50. Sodium cyanurate has been shown to cause no injury to rabbit eyes when 0.1 mL of aqueous suspensions containing 0.8% to 8% were applied daily 5 days/wk for 3 months. Renal effects and deaths were observed in female and male rats fed high doses (8%) monosodium cyanurate for 20 wk in diet. Histological changes in kidney related to diuretic effect of cyanuric acid were noted. No effects were noted at 0.8%. Dogs fed high doses (8%) monosodium cyanurate for 2 years showed kidney fibrosis and death. Dogs fed 0.8% monosodium cyanurate in diet showed no changes after 6 months. Monosodium cyanurate was evaluated for gene mutation and was negative at all dose levels tested. Cyanuric acid: >10 gm/kg oral-rat LD50; 7.7 gm/kg oral-rat LD50; 20 mg/24 hour(s) eyes-rabbit slight irritation; 500 mg/24 hour(s) eyes-rabbit marked irritation; non-irritating to rabbit skin. This material is believed to be non-toxic by inhalation, dermal exposure and ingestion. This material may cause irritation of the eyes. Long-term feeding studies in rats and dogs did not produce any adverse effects. Based on animal studies, cyanuric acid did not affect reproduction success in rats. No teratogenic effects were noted in studies with rats or rabbits.

12. Ecological Information

FISH TOXICITY DATA:

This material is believed to be non-toxic to aquatic life.

FATE AND TRANSPORT:

BIODEGRADATION:

Cyanuric acid biodegrades readily under a wide variety of natural conditions, and particularly well in systems of either low or zero dissolved-oxygen levels.

PERSISTENCE:

This material is believed not to persist in the environment. Cyanuric acid has an estimated Henry's Law Constant of 1.36×10^{-18} atm cu m/mol.

BIOCONCENTRATION:

Aquatic bioconcentration and adsorption are not expected to be important fate processes for cyanuric acid. The BCF for cyanuric acid is <0.5 at 1 mg/L for a 6-week duration. Atmosphere half-life is estimated to be 102 days. Cyanuric acid will have a high soil mobility based on KOC values ranging from 66 to 124.

OTHER ECOLOGICAL INFORMATION:

Cyanuric acid is toxic to certain plants including barley and radishes.

13. Disposal Considerations

Reuse or reprocess if possible. Dispose of in accordance with all applicable municipal, provincial or federal regulations.

14. Transport Information

DOT (DEPARTMENT OF TRANSPORTATION): Not regulated.

CANADA TRANSPORT OF DANGEROUS GOODS: Not regulated.

15. Regulatory Information

U.S. REGULATIONS:

CERCLA SECTIONS 102(a)/103 HAZARDOUS SUBSTANCES (40 CFR 302.4):

Not regulated.

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30):

Not regulated.

SARA TITLE III SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370.21):

ACUTE: No

CHRONIC: No

FIRE: No

REACTIVE: No

SUDDEN RELEASE: No

SARA TITLE III SECTION 313 (40 CFR 372.65):

Not regulated.

OSHA PROCESS SAFETY (29 CFR 1910.119):

Not regulated.

STATE REGULATIONS:

CALIFORNIA PROPOSITION 65:

Not regulated.

NEW JERSEY WORKER AND COMMUNITY RIGHT TO KNOW:

REPORTING REQUIREMENT:

Sodium cyanurate 2624-17-1 35-37%

Cyanuric acid 108-80-5 0-2%

Water 7732-18-5 61-65%

RIGHT TO KNOW HAZARDOUS SUBSTANCE LIST:

Not regulated.

SPECIAL HEALTH HAZARD SUBSTANCE LIST:

Not regulated.

PENNSYLVANIA RIGHT TO KNOW:

REPORTING REQUIREMENT:

Sodium cyanurate 2624-17-1 35-37%

HAZARDOUS SUBSTANCE LIST:

Not regulated.

ENVIRONMENTAL HAZARDOUS SUBSTANCE LIST:

Not regulated.

CANADIAN REGULATIONS:

CONTROLLED PRODUCTS REGULATIONS (CPR):

This product has been classified in accordance with the criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

WHMIS CLASSIFICATION:

Not a Controlled Product under Canada's Workplace Hazardous Material Information System.

TSCA 12(b) EXPORT NOTIFICATION:

Not listed.

CANADA DOMESTIC SUBSTANCES LIST (DSL):

This product and/or all of its components are listed on the Canadian DSL.

COMMENTS: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and this MSDS contains all the information required by the Controlled Products Regulations.

16. Other Information

COMMENTS: The contents and format of this MSDS are in accordance with OSHA Hazard Communication Standard, National Fire Protection Association (NFPA), Hazardous Materials Identification System (HMIS), and Canada's Workplace Hazardous Information System (WHMIS) and Environmental Protection Agency (CEPA).

Disclaimer

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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