

SAFETY DATA SHEET

SECTION 1 MATERIAL NAME / IDENTIFIER

Chlor Guard Stabilizer Tablets WHMIS: Non Controlled

Manufacturer's Name: CAPO INDUSTRIES LTD
Street Address: 1200 CORPORATE DRIVE
City: BURLINGTON, ONTARIO
Postal Code: L7L 5R6

Emergency Telephone: Canutec (613) 996-6666 (Collect)

Chemical Name: Cyanuric Acid
Chemical Family: Organic acid
Chemical Formula: $C_3H_3N_3O_3$
Trade Name & Synonyms: Not available
Molecular Weight: 129.07
Material Use: Pool water stabilizer

SECTION 2 HAZARDS IDENTIFICATION

GHS classification: None
Symbol(s): None
Signal Word: None
Hazard statements: None
Precautionary statements: None

SECTION 3 COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient	CAS#	% Concentration
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No Regulated Components

SECTION 4 FIRST AID MEASURES

Inhalation: No effects expected. If adverse effects occur, remove person to fresh air. If symptoms of overexposure occur, get medical attention.

Skin Contact: Wash hands thoroughly with soap and water. If irritation persists, get medical attention.

Eye Contact: Solids should be removed. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation occurs, get medical attention.

Ingestion: No effects expected. If large amounts are ingested, get medical attention.

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Note to physicians: This material causes mild irritation to skin and eyes. Removing the material via irrigation is usually sufficient. There is no anecdote. Cyanuric acid is readily removed from the body via the renal system, and is not bioaccumulated. Treatment is supportive care.

SECTION 5 FIRE – FIGHTING MEASURES

Hazardous Combustion Products: Cyanic acid, ammonia, oxides of carbon and oxides of nitrogen.
Unusual Fire or Explosion Hazards: Not applicable
Sensitivity to Mechanical Impact: None
Rate of Burning: Not applicable
Explosive Power: Not applicable
Sensitivity to Static Discharge: None
Fire Extinguishing Media: Use extinguishing agents appropriate for surrounding fire.
Instructions to the Fire Fighters: 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.
Fire Fighting Protective Equipment: Wear NIOSH approved positive-pressure self-contained breathing apparatus in pressure demand mode.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Leak And Spill Procedure: Avoid contact with eyes. Avoid generating dust. When handling this material, wear appropriate personal protective equipment. Sweep up material and place in a clean, labelled container and seal. Keep out of water supplies and sewers.

SECTION 7 HANDLING AND STORAGE

HANDLING

Handling Practices: Avoid generating dust. Wash hands thoroughly after handling. Wear personal protective equipment.
Ventilation Requirements: Local exhaust ventilation.

STORAGE

Ventilation Requirements: Store in a cool, dry place.
Storage Requirements: Keep separated from incompatible substances. Keep container closed when not in use.

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SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

Engineering Controls: Use in a well ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Skin (Specify): Butyl rubber, natural rubber, neoprene, nitrile or PVC gloves if skin contact is likely.

Eye (Specify): Safety glasses/goggles if eye contact is likely.

Respiratory (Specify): Wear NIOSH approved dust respirator.

Other (Specify): Eye wash and shower stations are close to work area.

SECTION 9

PHYSICAL DATA FOR MATERIAL

Physical State:	Gas	Liquid	Solid	<u>X</u>
Odour & Appearance:	Mild odour, white, granular, free flowing			
Odour Threshold (ppm):	Not applicable			
Flammability:	Yes	No	<u>X</u>	
If Yes, Under Which Conditions?:				
Auto Ignition Temperature (Celsius):	Not applicable			
Upper Explosion Limit (% By Volume):	Not applicable			
Lower Explosion Limit (% By Volume):	Not applicable			
Decomposition Temp (°C)	350 – 360°C (662 – 680°F)			
Specific Gravity:	1.77			
Viscosity:	Not applicable			
Vapour Pressure :	0.000001 Pa@25°C			
Vapour Density (Air-1):	Not applicable			
Flashpoint (°C)	Not applicable			
Evaporation Rate	Not applicable			
Boiling Point (°C):	Not applicable			
Freezing Point (°C):	Not applicable			
Solubility In Water (20°C):	0.20 g/100 g water @ 25°C			
% Volatile (By Weight)	Not applicable			
PH:	Not available			
Coefficient Of Water/Oil Distribution:	Not applicable			

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SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: Yes No

If No, Under Which Conditions?:

Incompatibility To Other Substances: Yes No

If So, Which Ones: Oxidizing agents.

Conditions to Avoid: None known

Hazardous Decomposition Products: Cyanic acid, ammonia, oxides of carbon and oxides of nitrogen.

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE HEALTH EFFECTS

Inhalation: None expected. Inhalation of powder or fine particulates may cause irritation, cough.

Skin Contact: May cause slight skin irritation.

Eye Contact: May cause mild eye irritation.

Ingestion: No known effects.

CHRONIC HEALTH EFFECTS: None

Other Health Effects: May aggravate pre-existing conditions such as: eye disorders that decrease tear production or have reduced integrity of the eye; skin disorders that compromise the integrity of the skin; and respiratory conditions including asthma and other breathing disorders.

LD 50 of Material (Specify Species and Routes): 3400 mg/kg, Oral (Mouse), 7700 mg/kg, Oral (Rat),
>5 g/kg, Dermal (Rabbit)

LC 50 of Material (Specify Species and Routes): >5.25 mg/l, Inhalation 4h (Rat)

Exposure (Limits): Not available

Irritancy of Material Mild skin and eye irritant.

Sensitization of Material None known

Synergistic Materials None known

Carcinogenicity, Mutagenicity, Reproductive Effects, Teratogenicity: None known

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SECTION 12

ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Toxicity

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

Fish Toxicity

LC50 Bluegill sunfish: >1000 mg/l (96 hour)

LC50 Rainbow trout: >2100 mg/l (96 hour)

LC50 Fathead minnow: >2100 mg/l (96 hour)

LC50 Inland silversides: >8000 mg/l (96 hour)

Invertebrate Toxicity

LC50 Water flea: >1000 mg/l (48 hour)

LC50 Mysid shrimp: 4438 mg/l (96 hour)

Algae Toxicity

EC50 Green algae: 655 – 712 mg/l (96 hour)

EC50 Navicula pelliculosa: >3780 mg/l (96 hour)

Environmental Fate

Biodegradability:

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

Bioaccumulative Potential:

Not expected to bioaccumulate.

Mobility In Soil:

Cyanuric acid will have a high soil mobility based on KOC values ranging from 66 to 124.

SECTION 13

DISPOSAL CONSIDERATIONS

Waste Disposal:

Reuse or recycle if possible. Dispose of material in accordance with federal, provincial and local regulations.

Safe Handling of Residues:

See above.

Disposal of Packaging:

Dispose of container in accordance with federal, provincial and local regulations.

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SECTION 14 TRANSPORTATION INFORMATION

CANADIAN TDG ACT SHIPPING DESCRIPTION:

Not regulated

US DOT CLASSIFICATION (49CFR 172.101, 172.102)

Not regulated

SECTION 15 REGULATORY INFORMATION

CANADA Listed on DSL and Canada's Ingredient Disclosure List.

WHMIS: Not regulated.

USA Listed on the TSCA inventory.

INTERNATIONAL Not available

SECTION 16 OTHER INFORMATION

Prepared By (Group, Department, Etc.): Quality Control **Telephone:** (905) 332-6626

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Additional Notes Or References:

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