

Safety Data Sheet

Product Identifier

Manufacturer's Name: CAPO INDUSTRIES LTD.
Street Address: 1200 Corporate Drive
City: Burlington, Ontario, CANADA
Postal Code: L7L 5R6

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

SECTION 1. IDENTIFICATION

Product Identifier	Ultra Zinc Pucks
Other Means of Identification	200 g tablets
Recommended Use	Pool or Spa water chlorination
Restrictions on Use	Not available
Initial Supplier Identifier	CAPO INDUSTRIES LTD.
Telephone Number	(905) 332-6626 (Non-Transport)

SECTION 2. HAZARD IDENTIFICATION

Classification Oxidizing solid, Category 2
Acute Toxicity, Oral, Category 4
Skin corrosion/irritation, Category 1C
Serious eye damage/eye irritation, Category 1
Specific target organ toxicity, Single exposure, Respiratory tract irritation, Category 3
Hazardous to aquatic environment, Acute and Long-term hazards, Category 1

Label Elements



Signal Word Danger

Hazard Statement(s): H272 May intensify fire; oxidizer.
H302 Harmful if swallowed

Ultra Zinc Pucks

H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.
H410 Very toxic to aquatic life with long-lasting effects.

Precautionary Statement(s): P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P220 Keep/Store away from clothing and combustible materials.
P221 Take any precaution to avoid mixing with combustibles.
P260 Do not breathe dust.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink, or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/ face protection.
P301+P317 IF SWALLOWED: Get medical help.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do not induce vomiting.
P302+P361+P354 IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P354+P338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P316 Get emergency medical help immediately.
P321 Specific treatment (see first aid on this label).
P363 Wash contaminated clothing before use.
P370+P378 In case of fire: Use water spray, fog (flooding amounts) to extinguish.
P391 Collect spillage.
P403+P233 Store in a well-ventilated area. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local regulations.

Other Hazards Contact with acids liberates toxic gas.

NFPA: 3 Health, 0 Fire, 2 Instability Special Hazard Warning: OXIDIZER

HMIS: 3 Health, 0 Fire, 2 Reactivity

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration	Common name / Synonyms
Trichloro-s-triazinetriene	87-90-1	88.0 – 99.0	Trichloroisocyanuric Acid
Zinc Oxide	1314-13-2	0.1 – 1.0	Not applicable

SECTION 4. FIRST-AID MEASURES

Ultra Zinc Pucks

Inhalation

Remove person to fresh air. If person is not breathing, give artificial respiration, by mouth to mouth if possible. Get medical help.

Skin Contact:

Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Get medical help immediately. Wash contaminated clothing before reuse.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical help. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion:

Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Get immediate medical help.

Most Important Symptoms and Effects, Acute and Delayed

Corrosive to skin, and eyes with redness and burning. Irritation to respiratory tract with coughing and shortness of breath.

Immediate Medical Attention and Special Treatment

Probable mucosal damage may contraindicate the use of gastric lavage. Corrosive. Treat symptomatically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES**Extinguishing Media**

Suitable Extinguishing Media Water spray, fog (flooding amounts)

Unsuitable Extinguishing Media Do not use halogenated extinguishing agents or foam. Dry chemical or CO₂.

Specific Hazards Arising from the Product Hydrogen chloride gas, nitrogen oxides, carbon oxides and sodium oxides.

Special Protective Equipment and Precautions for Fire-Fighters

Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved or equivalent, and full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES**Personal Precautions, Protective Equipment, and Emergency Procedures**

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Wear appropriate personal protective equipment. Do not let product enter drains. Discharge into the environment must be avoided.

Methods for Containment and Cleaning Up

Isolate area. Prevent further leakage or spillage if safe to do so. DO NOT add water to spilled material. DO NOT use floor sweeping compounds to clean up spills. Avoid creation of dust. Sweep and scoop spilled material into clean, dedicated equipment. Avoid mixing spilled material with other chemicals or debris when cleaning up. Do not flush with water. Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not get in eyes, on skin, or clothing. Avoid formation of dust and aerosols. Avoid breathing (dust, vapour, mist, gas). Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition. No smoking. Wash hands thoroughly with soap and water after handling.

Conditions for Safe Storage

Keep container tightly closed in a dry and well-ventilated area. Never allow product to get in contact with water during storage. Keep away from food and drinking water. Store away from incompatible material. Keep away from heat, sparks, and flame. Do not store near acids.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH® TLV®		OSHA PEL	
	TWA	STEL	TWA	STEL
Trichloro-s-triazinetriene	3 mg/m ³	Not available	5 mg/m ³	Not available
Zinc Oxide	2 mg/m ³	10 mg/m ³	15 mg/m ³ , 5 mg/m ³	Not available

Notes Ensure eye wash and safety shower stations are close to work area.

Appropriate Engineering Controls Local exhaust ventilation.

Individual Protection Measures

Eye/Face Protection Safety goggles/glasses or face shield if eye contact is likely.

Skin Protection Nitrile or neoprene gloves if skin contact is likely.

Respiratory Protection

Use NIOSH/MSHA approved dust or vapour mask when airborne exposure limits are exceeded. An approved respirator with an acid gas (for chlorine) and dust prefilter may be adequate.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Ultra Zinc Pucks

Appearance	White tablets
Odour	Chlorine odour
Odour Threshold	Not available
pH	2.7 – 3.3 (1% sol'n)
Melting Point and Freezing Point	249°C (480.2°F) – 251°C (483.8°F)
Initial Boiling Point and Boiling Range	No data
Flash Point	Not applicable
Evaporation Rate	Not applicable
Flammability (solid, gas)	No data available
Upper and Lower Flammability or Explosive Limit	No data
Vapour Pressure	Not applicable
Vapour Density (air = 1)	Not applicable
Relative Density (water = 1)	No data
Solubility in Water	1.2g/ml @ 25°C (77°F)
Solubility in Other Liquids	No data available
Partition Coefficient, n-Octanol / Water (Log Kow)	Not applicable
Auto-ignition Temperature	No data available
Decomposition Temperature	>225°C
Viscosity	Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Stable at normal temperatures and pressure.

Chemical Stability

Stable under normal temperature conditions and recommended uses.

Possibility of Hazardous Reactions

A risk of explosion and/or toxic gas formation exists with the following: Organic substances, combustible substances, nitrogenous compounds, ammonia, ammonium compounds, urea, bases, oxidizers, and water.

Ultra Zinc Pucks

Generates dangerous gases or fumes in contact with acids.

Conditions to Avoid

Exposure of material to moisture, dampness, and heating.

Incompatible Materials

Strong reducing agents, strong bases, hypochlorites, floor sweeping compounds, acids, organic solvents, and organic compounds.

Hazardous Decomposition Products

Chlorine, cyanates, chloride, carbon monoxide, carbon dioxide, nitrogen, nitrogen trichloride, nitrous oxides and phosgene.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

X Inhalation X Skin contact X Eye contact X Ingestion

Acute Toxicity

LC₅₀ (Inhalation) ATE mix: No data available

LD₅₀ (Oral) ATE mix: 908 mg/kg (Oral, Rat)

LD₅₀ (Dermal) ATE mix: >2000 mg/kg (Dermal, Rabbit)

Ingestion

May cause immediate pain and severe burns of the mucous membranes. There may be discoloration of the tissues. The effects on the esophagus and gastrointestinal tract may range from irritation to severe corrosion.

Inhalation

This material in the form of a solid is not expected to produce respiratory effects. If ground or otherwise in a powdered form, effects like a corrosive substance may occur. May cause severe irritation of the respiratory tract with coughing, choking, pain and possibly burns of the mucous membranes.

Skin Corrosion / Irritation

Causes skin corrosion. Redness, irritation, swelling, scab formation. Repeated or prolonged contact may result in dermatitis.

Serious Eye Damage / Irritation

Causes severe eye damage. Redness, pain, impaired vision, and corneal damage.

STOT (Specific Target Organ Toxicity) – Single Exposure May cause respiratory irritation.

Aspiration Hazard No data available

STOT (Specific Target Organ Toxicity) – Repeated Exposure No data available

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Respiratory and/or Skin Sensitization Not a sensitizer.

Carcinogenicity

Chemical Name	IARC	ACGIH®	OSHA
Trichloro-s-triazinetriene	Not classified	Not classified	Not classified
Zinc Oxide	Not evaluated	Not available	Not listed

Reproductive Toxicity

Development of Offspring No data available

Sexual Function and Fertility No data available

Effects on or via Lactation No data available

Germ Cell Mutagenicity No data available

Interactive Effects No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Aquatic toxicity:

96 h LC50, Fish: 0.32 mg/l (Rainbow trout)
0.30 mg/l (Bluegill sunfish)
48 h LC50, Daphnia magna: 0.21 mg/l

Avian toxicity:

Oral LD50, Mallard duck: 1600 mg/kg
Dietary LC50, Mallard duck: >10,000 ppm
Dietary LC50, Bobwhite quail: 7422 ppm

Persistence and Degradability

Material is subject to hydrolysis. Cyanuric acid produced by hydrolysis is biodegradable.

Bioaccumulative Potential Not expected to bioaccumulate in the aquatic environment.

Mobility in Soil No data available

Other Adverse Effects No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods Dispose material in accordance with federal, provincial, and local regulations.

Ultra Zinc Pucks

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
TDG	2468	Trichloroisocyanuric Acid, Dry	5.1	II
US DOT	2468	Trichloroisocyanuric Acid, Dry	5.1	II
IMDG-IMO	2468	Trichloroisocyanuric Acid, Dry	5.1	II
ICAO/IATA	2468	Trichloroisocyanuric Acid, Dry	5.1	II

Special Precautions 1 kg and under are LIMITED QUANTITY

Environmental Hazards Marine Pollutant

SECTION 15. REGULATORY INFORMATION

Safety, Health, and Environmental Regulations

CANADA

DSL/NDSL: On the inventory, or in compliance with the inventory.

PCP: This product is a registered pesticide.

USA

TSCA: On the inventory, or in compliance with the inventory.

FIFRA: This product is a registered pesticide.

SARA (311,312): This product is categorized as an immediate health hazard, fire, and reactivity hazard.

SECTION 16. OTHER INFORMATION

Prepared By (Group, Department): Quality Assurance

Telephone: (905) 332-6626

Preparation Date: March 1, 2020

Date of Latest Revision: April 19, 2022

Additional Notes or References:

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