

SAFETY DATA SHEET

SECTION 1

MATERIAL NAME / IDENTIFIER

10% Algaecide

WHMIS: Not regulated under WHMIS. PCP Act registered product.

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: Not applicable
Chemical Family: Not applicable
Chemical Formula: Not available
Trade Name & Synonyms: Algaecide
Molecular Weight: Not available
Material Use: Pool water algaecide

SECTION 2

HAZARDS IDENTIFICATION

GHS classification: H301 Acute toxicity, Oral, Category 3
H315 Skin corrosion/irritation, Category 2
H318 Serious eye damage/eye irritation, Category 1
H335 Specific target organ toxicity, Single exposure, Respiratory tract irritation, Category 3
H400 Hazardous to the aquatic environment, Acute hazard, Category 1

Symbol(s)



Signal Word Danger

Hazard statements Toxic if swallowed. Causes skin irritation and serious eye damage. May cause respiratory irritation. Very toxic to aquatic life.

Precautionary statements Do not ingest. If ingested, do not induce vomiting, drink 2 or 3 glasses of water and seek medical attention. Avoid skin and eye contact. Wear gloves and safety glasses when handling. Wash hands thoroughly after use. Avoid breathing in mists/fumes/vapours. If inhaled, remove person to fresh air and seek medical attention. Avoid release into the environment.

SAFETY DATA SHEET

SECTION 3 COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient	CAS#	% Concentration
Ethanol	64-17-5	1 - 5
N-Alkyl Dimethyl Benzyl Ammonium Chloride	68424-85-1	5 – 15

SECTION 4 FIRST AID MEASURES

Inhalation:	Remove to fresh air. If not breathing, give artificial respiration and contact a physician.
Skin Contact:	Flush skin with copious amounts of water for 15 minutes. If irritation persists, call a physician.
Eye Contact:	Flush eyes with copious amounts of water for 15 minutes. Seek medical attention.
Ingestion:	Do not induce vomiting. If conscious, drink promptly a large quantity of milk, egg whites, and gelatin solutions; or if these are not available, drink large quantities of water. Call a physician immediately.
Note to physicians	Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

SECTION 5 FIRE – FIGHTING MEASURES

Hazardous Combustion Products:	Oxides of carbon, nitrogen and hydrogen chloride fumes.
Unusual Fire or Explosion Hazards:	Explosive mixtures can form with air. Combustion products are toxic. Solvent vapours can travel to an ignition source and flash back.
Sensitivity to Mechanical Impact:	None
Rate of Burning:	Not applicable
Explosive Power:	Not applicable
Sensitivity to Static Discharge:	None
Fire Extinguishing Media:	CO ₂ , dry chemical, foam and water spray
Instructions to the Fire Fighters:	Cool fire exposed containers with water spray.
Fire Fighting Protective Equipment:	Wear full protective clothing and a self-contained breathing apparatus.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Leak And Spill Procedure:	Remove any oxidizing material. Isolate spill area. Prevent entry into waterways, sewers, basements or confined areas. Absorb spill with synthetic or natural absorbent. Transfer to a clean, dry and labelled container for disposal.
----------------------------------	---

SAFETY DATA SHEET

SECTION 7

HANDLING AND STORAGE

HANDLING

Handling Practices: Avoid contact with skin and eyes. Wash hands thoroughly with soap and water after using.

Ventilation Requirements: Use in a well ventilated area.

STORAGE

Ventilation Requirements: Store in a cool, dry area.

Storage Requirements: Keep the container tightly closed when not in use. Keep from freezing. Do not store Near heat sources. Do not mix with other chemicals.

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

Engineering Controls: Local exhaust ventilation.

PERSONAL PROTECTIVE EQUIPMENT

Skin (Specify): Latex or rubber gloves if skin contact is likely.

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

Respiratory (Specify): None under normal conditions. If exposure limits are exceeded or if irritation is experienced, NIOSH approved respiratory protection should be worn.

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

SECTION 9

PHYSICAL DATA FOR MATERIAL

Physical State: Gas Liquid X Solid

Odour & Appearance: Clear blue liquid, mild ammonia odour.

Odour Threshold (ppm): Not applicable

Flammability: Yes No X

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) Not applicable

Specific Gravity: 0.990 – 1.000

Viscosity: Not applicable

Vapour Pressure (mm): Not applicable

SAFETY DATA SHEET

Vapour Density (Air-1):	Not applicable
Flashpoint (°C)	Not applicable
Evaporation Rate	Not applicable
Boiling Point (°C):	100°C
Freezing Point (°C):	0°C
Solubility In Water (20°C):	Soluble
% Volatile (By Weight)	90%
PH:	6.5 – 9.5
Coefficient Of Water/Oil Distribution:	Not applicable

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability:	Yes	<input checked="" type="checkbox"/>	No
If No, Under Which Conditions?:			
Incompatibility To Other Substances:	Yes	<input checked="" type="checkbox"/>	No
If So, Which Ones:	Oxidizing compounds, reducing agents, and anionic surfactants.		
Conditions to Avoid:	Keep away from heat.		
Hazardous Decomposition Products:	CO, CO ₂ , and toxic hydrogen chloride vapours. Upon decomposition, this product may yield oxides of nitrogen and ammonia, CO ₂ , CO and other low molecular weight hydrocarbons.		

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE HEALTH EFFECTS

Inhalation:	Mists and vapours can irritate the throat and respiratory tract. High vapour concentrations may cause central nervous system effects. Symptoms may include headaches, dizziness, and drowsiness.
Skin Contact:	Causes corrosive burns. Brief exposures may cause irritation and defatting of the skin. Skin absorption will lead to nausea, vomiting, possibly leading to convulsions.
Eye Contact:	Eye contact will cause severe irritation or burning, possibly leading to loss of sight.
Ingestion:	Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea and even death.

CHRONIC HEALTH EFFECTS: Skin irritation or dermatitis may occur upon frequent or prolonged contact.

Other Health Effects: None known

LD 50 of Material (Specify Species and Routes): Ethanol – 7060 mg/kg, Oral (Rat)

N-Alkyl Dimethyl Benzyl Ammonium Chloride – 330 mg/kg, Oral (Rat)

SAFETY DATA SHEET

1182 mg/kg, Dermal (Rabbit)

LC 50 of Material (Specify Species and Routes): Ethanol – 31623 ppm, Inhalation 4 h (Rat)

Exposure (Limits): Ethanol TWAEV – 1000 ppm

Irritancy of Material Skin, eye and respiratory tract irritant.

Sensitization of Material None known

Synergistic Materials None known

Carcinogenicity, Mutagenicity, Reproductive Effects, Teratogenicity: None known

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity Very toxic to aquatic organisms.

Environmental Fate

Biodegradability: This product is biodegradable.

Bioaccumulative Potential: Not available

Mobility In Soil: Not available

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose absorbed material in accordance with federal, provincial and local regulations.

Safe Handling of Residues: See above

Disposal of Packaging: See above

SECTION 14 TRANSPORTATION INFORMATION

CANADIAN TDG ACT SHIPPING DESCRIPTION:

Proper shipping name: Not regulated

Class: Not applicable

Packing group: Not applicable

UN: Not applicable

US DOT CLASSIFICATION (49CFR 172.101, 172.102)

Proper shipping name: Not regulated

Class: Not applicable

Packing group: Not applicable

UN: Not applicable

