

SAFETY DATA SHEET

Date Issued : 06/05/2019
 SDS No. : Preve-Cide Quat
 Date Revised : 08/30/2019
 Revision No : 1

Essential Elements Preve-Cide Quat

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Essential Elements Preve-Cide Quat
GENERAL USE: Algaecide for Swimming Pools

DISTRIBUTOR

Imperial Pools
 33 Wade Road
 Latham, NY 12110
Product Stewardship: (518) 786-1212

24 HR. EMERGENCY TELEPHONE NUMBERS

InfoTrac 24-Hour Emergency #: (800) 535-5053

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Acute Toxicity (Oral), Category 4
 Skin Corrosion, Category 1B
 Serious Eye Damage, Category 1

Physical:

Flammable Liquids, Category 3

GHS LABEL



Flame



Corrosion



Exclamation
mark

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H226: Flammable liquid and vapour.
 H302: Harmful if swallowed.
 H314: Causes severe skin burns and eye damage.
 H318: Causes serious eye damage.

PRECAUTIONARY STATEMENT(S)

Prevention:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P233: Keep container tightly closed.
 P240: Ground and bond container and receiving equipment.
 P241: Use explosion-proof [electrical/ventilating/lighting/...] equipment.
 P242: Use non-sparking tools.
 P243: Take action to prevent static discharges.
 P264: Wash ... thoroughly after handling.
 P270: Do not eat, drink or smoke when using this product.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301+P312: IF SWALLOWED: Call a POISON CENTER/ doctor/...if you feel unwell.
 P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P361: Take off immediately all contaminated clothing.
 P353: Rinse skin with water [or shower].

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P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P304+P312: IF INHALED: Call a POISON CENTER/doctor/...if you feel unwell.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310: Immediately call a POISON CENTER/doctor/...
 P363: Wash contaminated clothing before reuse.
 1585RM8G: P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

P403+P235: Store in a well-ventilated place. Keep cool.
 P405: Store locked up.

Disposal:

3235U44K: P501: Dispose of contents/container to an approved waste disposal plant.

POTENTIAL HEALTH EFFECTS

INGESTION: May be harmful if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Quaternary ammonium compounds, benzyl C12-18 alkyldimethyl, chlorides	49.8	68391-01-5
2-propanol	10	67-63-0
Water	40	7732-18-5

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

SKIN: Wash immediately with plenty of soap and water. Call a physician immediately. Take off all contaminated clothing immediately.

INGESTION: Call a physician immediately. Clean mouth with water. Drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

INHALATION: Move to fresh air. Call a physician immediately. If breathing is irregular or stopped, administer artificial respiration.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry powder, water spray, foam.

HAZARDOUS COMBUSTION PRODUCTS: Heating or fire can release toxic gas.

OTHER CONSIDERATIONS: Use water spray to cool unopened containers.

FIRE FIGHTING EQUIPMENT: In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Contain spillage and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.

RELEASE NOTES: Do not flush into surface water or sanitary sewer system.

SPECIAL PROTECTIVE EQUIPMENT: Use respirator when performing operations involving potential exposure to vapor of the product.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Avoid contact with eyes, skin, and clothing. Provide sufficient air exchange and/or exhaust in work rooms.

HANDLING: Highly flammable. Keep away from sources of ignition. No smoking. Take precautions against static discharges.

STORAGE: Keep container tightly closed and store in a cool, dry, ventilated area away from heat and light.

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STORAGE TEMPERATURE: Recommended storage temperature: Less than 60 degrees C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m ³
2-propanol	OSHA PEL	TWA	400 ppm	980 mg/m ³
		STEL	ppm	mg/m ³
	ACGIH TLV	TWA	200 ppm	490 mg/m ³
		STEL	400 ppm	960 mg/m ³
	Supplier OEL	TWA	NL ^[1]	NL ^[1]
		STEL	NL	NL

Footnotes:
 1. NL = Not Listed

ENGINEERING CONTROLS: In processes where mists or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear tightly sealed safety goggles.

SKIN: Nitrile rubber gloves with break through time greater than 480 min

RESPIRATORY: In misty conditions, use a respirator with approved filter.

PROTECTIVE CLOTHING: Rubber or plastic apron and boots.

WORK HYGIENIC PRACTICES: Provide safety shower and eyewash station in the work area.

OTHER USE PRECAUTIONS: Avoid contact with skin, eyes and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Characteristic.

APPEARANCE: Blue liquid.

pH: 6.5 to 8.3

PERCENT VOLATILE: 60

FLASHPOINT AND METHOD: 38°C (100°F) SETA Flash Tester CC

Notes: Does not sustain combustion according to ASTM 4206.

FLAMMABLE LIMITS: 0 to 0

VAPOR PRESSURE: Not Determined

VAPOR DENSITY: 0.96 g/cm³

BOILING POINT: Not Known

FREEZING POINT: Not Known

SOLUBILITY IN WATER: Soluble

EVAPORATION RATE: Not Known

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DENSITY: 96 g/cm³ at 25°C

VISCOSITY #1: < 100 mPa.s at 77 degrees F (25 C)

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Will not occur.

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Nitrogen oxides (NOX); hydrogen chloride gas; carbon oxides.

INCOMPATIBLE MATERIALS: Strong oxidizing or reducing agents.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

DERMAL LD₅₀: 3340 mg/kg - Rabbit

ORAL LD₅₀: 344 mg/kg - Rat

NOTES: Above tox data based on N-Alkyl (C12-16)-N,N-dimethyl-N-benzylammonium chloride (CAS No.: 68424-85-1)

RESPIRATORY OR SKIN SENSITISATION: Buehler Test guinea pig: Did not cause sensitization on laboratory animals. OECD Test Guideline 406.

Result: Not sensitizing.

GERM CELL MUTAGENICITY: Germ cell muagenidity: Ames Test (Salmonella typhimurium); Metabolic activation: yes. Method: OECD; Test Guideline 471. GLP: yes.

Negative results.

Chromosome aberration test in vitro, Human lymphocytes; Metabolic activation: yes. Method OECD Test Guideline 473. GLP: yes

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY (ACUTE)

96-HOUR LC₅₀: 0.28 mg/L (fathead minnow) EPA method.

48-HOUR EC₅₀: 0.01 mg/L (Daphnia Magna) OECD Test Guideline 202.

Notes: Early-Life Stage NOEC: 0.03 mg/l (fathead minnow); exposure time 34 days; EPA-FIFRA method.

CHEMICAL FATE INFORMATION:

Biodegradability:

OECD Confirmatory Test: >90%; Method OECD 303A

Modified SCAS Test: >99%; exposure time 7 days; Method: OECD 302A

CO₂ Evolution Test: concentration: 5 mg/l; Exposure time 28 days. Readily biodegradable. 95.5%; Method OECD 301B

GENERAL COMMENTS: Above ecotox data refers to: N-Alkyl(C12-16)-N,N-dimethyl-N-benzylammonium chloride (CAS No.: 68424-85-1)

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with all applicable regulations.

14. TRANSPORT INFORMATION

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DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Disinfectants, Liquid, Corrosive N.O.S (N-Alkyl(C12-18)-N, N-dimethyl-N-benzylammonium chloride)

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN 1903

PACKING GROUP: II

OTHER SHIPPING INFORMATION: Method: Setafash Closed Tested (ASTM D 3278), closed cup. Does not sustain combustion according to ASTI 4206. **DOT Exception:** 173.120(a)(3) states: Any liquid with a flash point greater than 35°C (95°F) that does not sustain combustion according to ASTM D 4206.

VESSEL (IMO/IMDG)

SHIPPING NAME: Corrosive liquid, flammable, n.o.s. (N-Alkyl C12-18)-N,N-dimethyl-N-benzylammonium chloride / Isopropanol

UN/NA NUMBER: 2920

PRIMARY HAZARD CLASS/DIVISION: 8

PACKING GROUP: II

EmS: F-E , S-C

MARINE POLLUTANT #1: Yes

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HEALTH HAZARDS: Hazard Categories: Health: Immediate (Acute) Health Hazard

313 REPORTABLE INGREDIENTS: None.

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: Not listed.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: This product can only be used in the EPA registered application noted on the product label.

TSCA STATUS: All ingredients in this mixture are in compliance with TSCA.

REGULATIONS

STATE REGULATIONS:

Massachusetts Right To Know: Propan-2-ol CAS#67-63-0

New Jersey Right to Know: Propan-2-ol CAS#67-63-0

Pennsylvania Right to Know: Propan-2-ol CAS#67-63-0

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT): This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Below you will find the hazard information that is required on the EPA pesticide label.

GENERAL COMMENTS: HAZARD INFO FOUND ON THIS EPA PRODUCT, EPA REG. NO. 6836-249-*****

DANGER. Corrosive.

Causes irreversible eye damage and skin burns.

May be fatal if inhaled, swallowed or absorbed through skin.

Toxic to fish.

16. OTHER INFORMATION

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REVISION SUMMARY: This SDS replaces the 06/05/2019 SDS. Revised: **Section 1:** 24 HR. EMERGENCY TELEPHONE NUMBERS.

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