



SAFETY DATA SHEET

Product name ClearView Quat Power

Revision date 5-13-15

Section 1 Identification

Product ID: Quat Power

Synonyms: Maquat, TC76-50%, Quaternary Ammonium Compound
CAS Number: 68391-01-5
Product Use: For Control of Algae and Algal Slime Growth in Swimming Pools

Supplier: Oreq Corporation
42306 Remington Avenue
Temecula, CA 92590
951-296-5076

Emergency Phone# Chemtrec: 1-800-424-9300

Section 2 Hazards identification

EMERGENCY OVERVIEW DANGER

CORROSIVE
FLAMMABLE

May be corrosive to eyes and skin. Irritating to respiratory system. HARMFUL OR FATAL IF SWALLOWED

Potential Health Effects:

Skin: Causes corrosive burns. Brief exposures may cause irritation and defatting of the skin.
Eyes: Causes burns and may result in permanent injury to eyes including blindness.

Ingestion: Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Inhalation: Mists and vapors can irritate the throat and respiratory tract. High vapor concentrations may cause central nervous system effects. Symptoms may include headaches, dizziness, and drowsiness.

Section 3 Composition / Information on ingredients

<u>Ingredient</u>	<u>CAS #</u>	<u>Wt. %</u>
Alkyl dimethyl benzyl ammonium chloride (C ₁₂₋₁₈)	68391-01-5	48.0 – 53.0
Dialkyl methyl benzyl ammonium chloride (C ₁₂₋₁₈)	73049-75-9	0.0 – 0.5
Isopropanol	67-63-0	8.0 – 15.0

Section 4 First - aid measures

Eyes: Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention at once.

Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice



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Section 4 First - aid measures (Continued)

Inhalation: If symptoms are experienced, move victim to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further advice.

Ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

Section 5 Fire - fighting measures

Flash Point: 120oF (48.8oC) - Pensky Martin Closed Cup

Upper & Lower Flame Limits Not determined

Extinguishing Media: Dry chemical, foam, carbon dioxide or water fog. Solid water streams may spread burning liquid.

Fire Fighting Equipment & Instructions: Firefighters should wear full protective clothing including self-contained breathing apparatus. Cool fire exposed containers with spray.

Hazardous Combustion Products: Irritating and toxic gases or fumes may be released during a fire.

Unusual Fire Explosion Hazards Explosive mixtures can form with air. Combustion products are toxic. Solvent vapors can travel to an ignition source and flash back.

Section 6 Accidental release measures

Spill and Leak Procedures

Emergency Action: Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas where vapors may accumulate. Eliminate all ignition sources (no smoking, flares, sparks or flames) in immediate area.

Spill Cleanup: Ventilate closed spaces before entering. All equipment used when handling the product must be grounded. Floor will be slippery. Do not touch or walk through spilled material. Stop leak if you can do it without risk. A vapor suppressing foam may be used to reduce vapors. Prevent entry into waterways, sewers, basements or confined areas. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material.

Large Spills: Dike far ahead of liquid spill for later disposal. Water spray may reduce vapor but will increase foaming. Water may not prevent ignition in closed spaces.



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Section 7 Handling and storage

Handling Procedures: Avoid contact with skin and eyes. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water.

Storage Procedures: Keep the container tightly closed and in a cool, well-ventilated place. Keep from freezing. Do not handle or store near an open flame, heat or other sources of ignition. Prevent electrostatic charge buildup by using common bonding and grounding techniques.

Section 8 Exposure controls / personal protection

Engineering Controls: Use general ventilation. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.

Personal Protective Equipment:

Eyes/Face: Wear chemical goggles. Use a face shield if splashing is possible.

Skin: Use impervious gloves (rubber or neoprene). Wear suitable protective clothing.

Respiratory: If exposure limits are exceeded or if irritation is experienced, NIOSH approved respiratory protection should be worn. Ventilation and other forms of engineering controls are often the preferred means for controlling chemical exposures. Respiratory protection may be needed for non-routine or emergency situations.

General: Eye wash fountain and emergency showers are recommended.

The following ingredients have established exposure guidelines:

Ingredient	Exposure Guideline	Guideline Value
Isopropanol 67-63-0	ACGIH TWA (2002)	400 ppm (TWA), 500 ppm (STEL)
	Intended change listed in 2002 booklet	200 ppm (TWA), 400 ppm (STEL)
	NIOSH Pocket Guide	400 ppm (TWA), 500 ppm (STEL)
	Alberta, British Columbia, Manitoba, New Brunswick, Ontario, Quebec , Yukon (Canada)	400 ppm (TWA), 500 ppm (STEL)
	Saskatchewan (Canada)	983 mg/m ³ (TWA), 1230 mg/m ³ (STEL)
	Mexico – Instruction No. 10	400 ppm (TWA), 500 ppm (STEL)

All TWAs are for an 8-hour period and all STELs are for 15 minutes unless specifically noted as being for another time period.

Section 9 Physical and chemical properties

Flash Point: 120oF (48.8oC) - Pensky Martin Closed Cup

Specific Gravity: 0.95 (8 lbs/gal)

Percent Volatiles: Not determined

Vapor Pressure: Not determined

VOC Content: Not determined



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Section 9 Physical and chemical properties (Continued)

Vapor Density: Not determined
Viscosity: 75Cst cps @ 25°C
Evaporation Rate: Not determined.
Pour Point: Not determined.
pH : 6 –9 for 10% Aqueous Solution
Appearance and Odor: Clear, colorless to straw colored liquid with benzaldehyde (organic) odor.

Section 10 Stability and reactivity

Chemical Stability: Material is stable.
Conditions to Avoid: Keep away from heat and strong oxidizing agents.
Incompatibilities: Strong oxidizing agents (may result in fire.), reducing agents.
Hazardous Decomposition: Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.
Hazardous Polymerization: Will not occur.

Section 11 Toxicological information

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Acute Oral LD50 760 mg/kg
Acute Dermal > 1700 mg/kg.
Primary Skin Corrosive
Primary Eye Corrosive

Chemicals Ingredients Listed as Potential or Known Carcinogens

Ingredient	OSHA	NTP	IARC
No ingredients listed in this section			

Section 12 Ecological information

Ecotoxicity Very Toxic to aquatic organisms
Information available upon request.
Environmental Fate This product is biodegradable

Section 13 Disposal considerations

Disposal Instructions

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. In addition, plastic containers may be disposed of by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.



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Section 14 Transport information

US DOT (Land)

DOT Hazard Class: 8 Corrosive
DOT Proper Shipping Name: UN1903, Disinfectants, Liquid, Corrosive N.O.S., (Quaternary Ammonium Compound), 8, PG II
Emergency Response Guidebook - Guide No.: 153

US DOT (Air and Water), IMDG (Sea), IATA (Air):

DOT, IMDG, IATA Hazard Class: 8(3) Corrosive (Flammable)
Proper Shipping Name: UN2920, Corrosive Liquids, Flammable, N.O.S., (Quaternary Ammonium Compound, Isopropanol), 8(3), P.G. II
Emergency Response Guidebook - Guide No.: 132

Section 15 Regulatory information

TSCA Status

This product is an EPA registered pesticide, and is therefore excluded from United States TSCA Regulations.

Other Chemical Inventories

All components of this product are listed on the following inventories: European Union, China. One or more ingredients not found on inventories of Australia, Canada (DSL), Japan and Korea, and Philippines.

CERCL/SARA

SARA Title III, Sections 311/312 – This act requires reporting under the Community Right-to-Know provisions due to the inclusion of the following components of this material in one or more of the five hazard categories listed in the 40 CFR 370:

Classification of this product: Immediate, Fire

SARA Title 313 – This act requires submission of annual reports of releases of the following components of this material if the threshold reporting quantities, as listed in 40 CFR 372, are met or exceeded:

Chemical Name	CAS No.	Maximum Concentration	Comment
Isopropanol	67-63-0	10	Isopropanol listing only for strong acid process but no supplier notification required.

Reportable Quantities/Threshold Planning Quantities: CERCLA requires notification of the National Response Center (Telephone 1-800-424-8802) in the event of a release of quantities of the following hazardous materials contained in this product, if the release is equal to or greater than the Reportable Quantities (RQs) SARA 302/304 requires emergency planning, including agency notification, for possible release of the following components of this material, based upon the Threshold Planning Quantities (TPQs) and/or release of Reportable Quantities.

Chemical Name	Reportable Quantity (RQ)	Threshold Planning Quantity (TPQ)
No ingredients listed in this section.		



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Section 15 Regulatory information (Continued)

State & Provincial Right to Know & Selected Regulatory Lists

The following ingredients appear on various state right to know lists and/or California's Proposition 65 List

Chemical Name	State List
Benzyl Chloride (trace < 10 ppm)	AZ, CA, CAP65C, CT, FL, ID, MA, MN, NJ, PA, RI
Isopropanol	AZ, CA, CT, FL, ID, MA, MN, NJ, PA, RI

AZ – Arizona Ambient Air Quality Guidelines

CT – Connecticut Hazardous Air Pollutants

CA – California Director's List of Hazardous Substances

CAP65C – California Prop 65 Carcinogen

FL – Florida Substances List

ID – Idaho Non-carcinogen Toxic Air Pollutants

IL – Illinois Toxic Air Contaminant - Carcinogenic

MA – Massachusetts Right to Know List

MN – Minnesota Hazardous Substances List

NJ – New Jersey Right to Know List

PA – Pennsylvania Right to Know List

RI – Rhode Island Hazardous Substances List

WHMIS Classification:

B3, D2B, E. This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Section 16 Other information

Hazard Ratings	HMIS (III)	NFPA
Health	3	3
Flammability	2	2
Reactivity	0	0
PPE	C	

DATE OF PREPARATION

5-11-2015

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