

SAFETY DATA SHEET -QUAT SAN 10

Section 1: Product & Company: Identification

Trade Name: QuatSan 10
 EPA No. 10324-117
 Product Class: Quaternary Ammonium Compound
 Product Use: Disinfectant/Sanitizer
 Manufacturer: Wayne Concept
 5005 Speedway Dr.
 Fort Wayne, IN 46825
 Telephone Numbers: 24 hr. Emergency Assistance: Infotrac 1-800-535-5053
 Product or Company Information: 1-260-482-8615

Section 2: Hazards Identification

Emergency Overview Clear, colorless to straw colored liquid. Corrosive to the eyes, skin, gastrointestinal tract, and respiratory system.

Signal Word: DANGER

GHS Classifications:

Acute Toxicity(oral); Category 4, Acute Toxicity(dermal); Cat. 4, Skin Corrosion/Irritation; Category 1B, Serious Eye Damage/Irritation; Cat. 1

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.

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.

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

**Section 3: Composition/Information on Ingredients**

Ingredient	CAS #	Wt. %
Alkyl dimethyl benzyl ammonium chloride (C12-16)	68424-85-1	3.5 - 5.5%
Octyl decyl dimethyl ammonium chloride	32426-11-2	2.0 - 4.0%
Diocetyl dimethyl ammonium chloride	5538-94-3	1.0 - 2.5%
Didecyl dimethyl ammonium chloride	7173-51-5	1.0 - 2.5%
Ethanol	64-17-5	1.0 - 3.0%

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.

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 treatment advice.

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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: None - Cleveland Open Cup

Upper & Lower Flame Limits Not determined

Extinguishing Media: Dry chemical, foam, carbon dioxide or water fog or water (if appropriate for surrounding fire).

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.

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.

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.

Section 7: Handling & 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. Prevent electrostatic charge buildup by using common bonding and grounding techniques.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Provide adequate local exhaust ventilation (explosion proof) to maintain worker exposure below exposure limits.

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.

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General: Eye wash fountain and emergency showers are recommended.

All TWAs are for an 8-hour period and all STELs are for 15 minutes unless specifically noted as being for another time period.
NIOSH REL TWAs are for a 10-hour period.

Section 9: Physical & Chemical Properties

Flash Point:	None-Cleveland Open Cup
Specific Gravity:	0.9895 (8.25 lbs/gal)
Percent Volatiles:	1.5% (weight%)
Vapor Pressure:	Not determined.
VOE Content	1.5%
Vapor Density:	Estimated to be heavier than air.
Viscosity:	2.603 mm ² /s @ 21°C
Evaporation Rate:	Not determined
Pour Point:	Not determined
pH :	6.0-8.0
Appearance and Odor:	Clear, colorless to straw colored liquid with benzaldehyde (organic) odor.

Section 10: Stability & Reactivity

Chemical Stability:	Material is stable.
Conditions to Avoid:	Keep away from heat and strong oxidizing agents.
In-compatibilities:	Strong oxidizing agents (may result in fire.), reducing agents
Hazardous Decomposition:	Carbon monoxide, carbon dioxide and toxic hydrogen chloride vapors.
Hazardous Polymerization:	Will not occur.

Section 11: Toxicological Information

Carcinogenicity	No Carcinogenicity data available for this product.
Acute Oral LD50	344-366 mg/kg for male and female rates combined
Acute Dermal	1500-3340 mg/kg in albino rabbits
Primary Skin	Corrosive, causes severe burns.
Primary Eye	Corrosive, causes serious eye damage.

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

Environmental Fate
This product is biodegradable.

Section 13: Disposal Considerations

Waste treatment methods

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.

Product Disposal: Observe all applicable federal, state and local regulations.

Packaging: Remove all residue when emptying.

Section 14: Transport Information

DOT Hazard Class	8 Corrosive
DOT Proper Shipping Name	Corrosive Liquid, NOS (Contains Quaternary Ammonium Compound), 8, UN1760, PG II

Section 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Notification status: Not applicable

OSHA Hazard Communication Standard (26 CFR 1910.1200): Hazardous

Cercla (RQ): Not Listed

SARA/EPCRA Extremely Hazardous Substance (302/304): Not Listed

SARA Hazard Categories (311/312)

Fire: No

Reactive: No

Acute Health Hazard: Yes

Chronic Health Hazard: No

SARA Toxic Substance (313): Not Listed

CAA (311) Volatile Organic Compounds: Not Listed

15.2 Other regulations

No information available

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: 028, 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

Current Issue Date: July 30, 2015
 Revised: February 7, 2020

Hazard Ratings	HMIS IIIII	NFPA
	Health -3	Health -3
	Flammability -0	Flammability -0
	Reactivity -0	Reactivity -0
	PPE -B	

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