

MATERIAL SAFETY DATA SHEET

Date Prepared: 12-24-2003 By Charles D. Werner

SECTION 1 - PRODUCT IDENTIFICATION			
Distributor Name: Fortech Products by Formula Corporation	Emergency Phone No: 1-800-228-5635 ext. 059		
Address: 7901 Second Ave South Seattle, WA			
Trade Name: SANITIZER Q-10	Product Type: 10% Quat Sanitizer		
Formula Code:	Formula:		
SECTION 2 - HAZARDOUS INGREDIENTS			
Chemical Name/Common Name:	CAS NO.	PERCENT (optional)	TLV (Source)
Quaternary Ammonium Chloride Compounds	68391-01-5 & 68956-79-6	10	NE
Ethanol LD ₅₀ (oral-rat) 7060 mg/kg, LC ₅₀ (rat) 20000ppm/10H	64-17-5	< 2	1000 ppm
No toxic chemical subject to the reporting requirements of section 313 of Title III			
SECTION 3 - PHYSICAL DATA			
Boiling Point: (F) 212 (100 F) Freeze Point 32 F (0 F)	Specific Gravity: (H ₂ O = 1.0) 1.0		pH: 7.0 - 8.0
Vapor Pressure: (mm/Hg) Not Determined	Vapor Density: Heavier than air		
Solubility in Water: Complete	Coefficient of water/oil: Not available		
Evaporation Rate (Vs ether) Slower			
Appearance and Odor: Liquid, non-viscous, LIGHT RED color	Odor threshold: Not available		
SECTION 4 - FIRE AND EXPLOSION HAZARD DATA			
Flash Point (T.C.C.): NONE			
Extinguishing Media: nonflammable and non-explosive No special procedures required.			
Special Fire Fighting Procedures: none required.			
Unusual Fire and Explosion Hazards: NOTHING SPECIAL.			
SECTION 5 - REACTIVE DATA			
Stability: Stable		Incompatibility: non-reactive.	
Hazardous Decomposition Products: none			
SECTION 6 - HEALTH HAZARDS			
Threshold Limit Value - Product (See Section 2 for Ingredient TLV)		None Established	
Primary Routes of Exposure:	Eye - yes	Skin-yes	Oral-yes
		Inhalation-no	Other
Signs and Symptoms of Over-exposure (Acute): EYES: Contact with concentrate may irritate the eyes. SKIN: Exposure may irritate the skin. INGESTION: Irritation of the mouth throat, and gastrointestinal tract. Ingestion of this product may result in CNS effects including headache, sleepiness, dizziness, slurred speech and blurred vision.			
Signs and Symptoms of Over-exposure (Chronic): Undetermined			
Medical Conditions Aggravated by Over-exposure: Persons with pre-existing skin disorders, eye problems, impaired respiratory function may more susceptible to effects.			
Carcinogen or Suspect Carcinogen Ingredients: NTP - NO		IARC - NO	OSHA - NO
NONE			
SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES			
Eyes: Flush with immediately with lots of running water for at least 15 minutes holding eyelids open. Get medical attention.			
Skin: Flush skin with water. Remove contaminated clothing & shoes. Wash before reuse.			
Ingestion: If vomiting occurs spontaneously, keep victims head below his hips to prevent his breathing vomitus into lungs. Do NOT induce vomiting. Drink 1 to 8 glasses of water or milk to dilute. Call physician or poison control center immediately, treat symptomatically. Do not give anything by mouth to an unconscious or convulsing person.			
Inhalation: Get to fresh air.			
SECTION 8 - SPECIAL PROTECTION INFORMATION			
Respiratory Protection: not normally required		Ventilation Requirements: Adequate ventilation required.	
Protective Gloves: not normally required.		Eye Protection: Not normally required. Recommended if used overhead or misting or spraying.	
SECTION 9 - SPILL OR LEAK PROCEDURES			
Steps to be Taken if Released or Spilled: For small spills, mop or wipe up and contain. For large spills, contain by diking with absorbent material and contain. Rinse with water.			
Waste Disposal Methods: Note that the contaminants of the product must be consider when disposing. Consult appropriate Federal, State and Local regulatory agencies to ascertain proper disposal procedures and comply with them.			
SECTION 10 - STORAGE AND HANDLING INFORMATION			
Precautions to be Taken in Handling and Storage: Nothing special is required. Do not mix chemicals. Keep container tightly closed when not in use.			

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EYES - Liquid and mists will irritate and may burn the eyes. **SKIN** - No irritation is likely after brief contact but may be irritating after prolonged contact.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Skin absorption risks unknown.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Swallowing large quantities may cause nausea and vomiting.

HEALTH HAZARDS (ACUTE AND CHRONIC)

CHRONIC - No specific information available.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No

The components of this product are not considered to be carcinogens by the National Toxicology Program, the International Agency for Research on Cancer, or the Occupational Safety and Health Administration.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

None reported.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION - Remove to fresh air. Give artificial respiration if not breathing. **EYES** - Flush immediately with large amounts of water for at least 15 minutes holding eyelids open. Get medical attention. **SKIN** - Immediately wash skin with lots of soap and water. Remove contaminated clothing & shoes. Get medical attention. **INGESTION** - If conscious, drink 2 glasses of water. Consult a physician or poison control center immediately. Treat symptomatically. Do not give anything by mouth to an unconscious or convulsing person.

=====**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**=====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Small spills dilute with water, mop or wipe up and contain. For large spills, contain by diking with absorbent material. Keep material out of sewers, storm drains, surface waters, and soil.

WASTE DISPOSAL METHOD

Comply with all applicable governmental regulations on spill reporting, handling and disposal of waste. Dispose of contaminated product and materials used in clean up in a manner approved for this material and the contaminant. Consult appropriate Federal, State and Local regulatory agencies to ascertain proper disposal procedures and comply with them.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in a dry, well ventilated place away from incompatible materials. Keep container tightly closed when not in use. Store at temperatures above the solutions freezing point to remain liquid. Do not use pressure to empty container.

OTHER PRECAUTIONS

Empty containers usually still hold residues of material and vapors. These must be considered hazardous and disposed of in accordance with proper handling procedures prescribed for hazardous chemicals. When mixing with water, always add this product to water and stir.

=====**SECTION VIII - CONTROL MEASURES**=====

RESPIRATORY PROTECTION

In the absence of adequate ventilation an approved respirator may be required.

VENTILATION

Be sure to provide adequate ventilation in all working areas at all time. In general, health problems could result from repeated and prolonged exposure to chemical vapors.

PROTECTIVE GLOVES

None required with normal use.

EYE PROTECTION

None required under normal use conditions. Eye protection required if used overhead or misting or spraying.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Where gross eye and skin contact may occur use and wear appropriate clothing, rubber boots with pants on the outside, and rubber gloves.



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WORK/HYGIENIC PRACTICES

Standard hygienic practices must be observed when handling all chemicals.

===== **SECTION IX - DISCLAIMER** =====

Information contained herein is furnished without warranty of any kind. Employees should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and for the safety and health of employees.