

**MATERIAL SAFETY DATA SHEET**

Date Prepared: 02-26-03 By Charles D. Werner

<b>SECTION 1 - PRODUCT IDENTIFICATION</b>			
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: DISINFECTANT 256	Product Type: Concentrated Disinfectant Cleaner		
Formula Code: FLD256RX	Formula:		
<b>SECTION 2 - HAZARDOUS INGREDIENTS</b>			
Chemical Name/Common Name:	CAS NO.	PERCENT (optional)	TLV (Source)
Quaternary Ammonium Chloride Compounds, LD <sub>50</sub> (oral-rat) 650 mg/kg, LD <sub>50</sub> (skin-rab) > 2000 mg/kg	68391-01-5 & 68956-79-6	21 - 22	NE
Nonionic surfactant		< 10	NE
Sodium EDTA LD <sub>50</sub> (oral-rat) 3030 mg/kg, LD <sub>50</sub> (skin-rab) > 5000 mg/kg	64-02-8	< 4	NE
No toxic chemical subject to the reporting requirements of section 313 of Title III			
<b>SECTION 3 - PHYSICAL DATA</b>			
Boiling Point: (F) 212 (100 F) Freeze Point 32 F (0 F)	Specific Gravity: (H <sub>2</sub> O = 1.0) 0.997		pH: 6 - 8
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, ORANGE color fresh fragrance	Odor threshold: Not available		
<b>SECTION 4 - FIRE AND EXPLOSION HAZARD DATA</b>			
Flash Point (T.C.C.): over 200 F PMCC			
Extinguishing Media: nonflammable and non-explosive No special procedures required.			
Special Fire Fighting Procedures: cool fire exposed containers with spray, Must wear MSHA/NIOSH approved self contained breathing apparatus.			
Unusual Fire and Explosion Hazards: NOTHING SPECIAL.			
<b>SECTION 5 - REACTIVE DATA</b>			
Stability: Stable	Incompatibility: Strong oxidizers or reducing agents.		
Hazardous Decomposition Products: Toxic Hydrogen Chloride fumes, oxides of carbon and nitrogen.			
<b>SECTION 6 - HEALTH HAZARDS</b>			
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
<b>Signs and Symptoms of Over-exposure (Acute): EYES: Corrosive.</b> Contact with concentrate will severely irritate or burn the eyes. <b>SKIN: Corrosive.</b> Exposure will irritate the skin. <b>INGESTION:</b> May be fatal. Ingestion of this product will result in pain in the mouth, throat, abdomen, severe swelling of the larynx, skeletal muscle paralysis affecting the ability to breathe, circulatory convulsions.			
<b>Signs and Symptoms of Over-exposure (Chronic):</b> Undetermined			
<b>Medical Conditions Aggravated by Over-exposure:</b> Persons with pre-existing skin disorders, eye problems, impaired respiratory function may more susceptible to effects.			
<b>Carcinogen or Suspect Carcinogen Ingredients:</b>	NTP - NO	IARC - NO	OSHA - NO NONE
<b>SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES</b>			
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. Drink 1 to 8 glasses of water or milk to dilute. Avoid alcohol. Call physician or poison control center immediately, treat symptomatically. Do not give anything by mouth to an unconscious or convulsing person. NOTE to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.			
Inhalation: Get to fresh air.			
<b>SECTION 8 - SPECIAL PROTECTION INFORMATION</b>			
Respiratory Protection: not normally required	Ventilation Requirements: Adequate ventilation required.		
Protective Gloves: Required.	Eye Protection: Glasses Required -- goggles recommended.		
<b>SECTION 9 - SPILL OR LEAK PROCEDURES</b>			
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 contaminates 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.			
<b>SECTION 10 - STORAGE AND HANDLING INFORMATION</b>			
Precautions to be Taken in Handling and Storage: Nothing special is required. Do not mix chemicals. Keep container tightly closed when not in use.			