

# MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

<b>SECTION I - CHEMICAL PRODUCT &amp; COMPANY IDENTIFICATION</b> <b>Identity (As Used on Label and List):</b> M-C 10 Sanitizer <b>Product Class:</b> Cleaner/Sanitizer EPA Registration Number: 10324-63-5449 <b>Emergency Telephone Number:</b> 800-255-3924 <b>Telephone Number for Information:</b> 651-481-1900 <b>Manufacturer's Name and Address:</b> Multi-Clean® 600 Cardigan Road Shoreview, MN 55126		<b>SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS</b> <b>Boiling Point:</b> Approximately 212°F <b>Specific Gravity (H2O) = 1:</b> .98 <b>Vapor Density (Air = 1):</b> N. Av. <b>Evaporation Rate (Butyl Acetate = 1):</b> N. Av. <b>Solubility in Water:</b> Complete <b>Vapor Pressure (MM HG):</b> N. Av. <b>Melting Point:</b> N. Ap. <b>pH:</b> 6 - 8 <b>% Volatile:</b> 90 <b>Odor Threshold:</b> N. Av. <b>Oil/Water Distribution Coefficient:</b> N. Av.																									
<b>SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS</b> <b>Hazardous Components (Specific Chemical Identity):</b> <table border="1"><thead><tr><th>Chemical</th><th>Common Name(s)</th><th>%</th></tr></thead><tbody><tr><td>A</td><td>Alkyl dimethyl benzyl ammonium chloride CAS #68391-01-5</td><td>5</td></tr><tr><td>B</td><td>Alkyl dimethyl ethylbenzyl ammonium chloride CAS #68956-79-6</td><td>5</td></tr><tr><td>C</td><td>Water CAS #7732-18-5</td><td>60 - 100</td></tr></tbody></table>		Chemical	Common Name(s)	%	A	Alkyl dimethyl benzyl ammonium chloride CAS #68391-01-5	5	B	Alkyl dimethyl ethylbenzyl ammonium chloride CAS #68956-79-6	5	C	Water CAS #7732-18-5	60 - 100	<b>SECTION X - STABILITY AND REACTIVITY</b> <b>Stability:</b> Unstable: Stable: X <b>Conditions to Avoid:</b> N. Ap. <b>Incompatibility (materials to avoid):</b> Do not mix with other cleaners or deodorants. <b>Hazardous Decomposition or By-products:</b> N. Av. <b>Hazardous Polymerization:</b> May occur: Will not occur: X <b>Conditions to Avoid:</b> N. Ap.													
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<b>SECTION III - HAZARDS IDENTIFICATION</b> <b>Emergency Overview</b> <b>Appearance and Odor:</b> Clear liquid, mild aroma. <b>Primary Hazards:</b> Corrosive <b>Potential Health Hazards</b> <b>Route(s) of Entry:</b> Skin Absorption: X Ingestion: X Inhalation: X <b>Eye:</b> May cause burns if contact occurs. <b>Skin:</b> May cause burns if contact occurs. <b>Ingestion:</b> May be harmful if swallowed. <b>Inhalation:</b> No unusual vapor hazards. <b>Signs and Symptoms of Exposure:</b> Irritation and/or burning sensation on contact. <b>Carcinogenicity:</b> NTP? No IARC Monographs? No <b>OSHA Regulated?</b> No <b>Target Organ (s):</b> No additional data <b>Medical Conditions Generally Aggravated by Exposure:</b> N. Av. <b>Health Hazards, Chronic:</b> N. Av.		<b>SECTION XI - TOXICOLOGICAL INFORMATION</b> <table border="1"><thead><tr><th>Chemical</th><th>OSHA PEL</th><th>ACGIH TLV</th><th>Recom.</th><th>LD50</th><th>LC50</th></tr></thead><tbody><tr><td>A</td><td>N. Av.</td><td>N. Av.</td><td>N. Av.</td><td>290 mg/kg (rat, oral)</td><td>N. Av.</td></tr><tr><td>B</td><td>N. Av.</td><td>N. Av.</td><td>N. Av.</td><td>&gt; 2,000 mg/kg (rat, oral)</td><td>N. Av.</td></tr><tr><td>C</td><td>N. Av.</td><td>N. Av.</td><td>N. Av.</td><td>N. Av.</td><td>N. Av.</td></tr></tbody></table> <b>Acute Oral Toxicity:</b> Oral LD50 650 mg/kg (50% active soln of A & B) <b>Teratogen, Mutagen, Reproductive Toxin Status:</b> No <b>Toxicologically Synergistic Products:</b> N. Av.		Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50	A	N. Av.	N. Av.	N. Av.	290 mg/kg (rat, oral)	N. Av.	B	N. Av.	N. Av.	N. Av.	> 2,000 mg/kg (rat, oral)	N. Av.	C	N. Av.	N. Av.	N. Av.	N. Av.	N. Av.
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<b>SECTION IV - FIRST AID MEASURES</b> <b>Emergency and First Aid Procedures:</b> <b>If Swallowed:</b> Do not induce vomiting. Drink water in large amounts and call a physician immediately. Avoid alcohol. Never give anything by mouth to an unconscious person. <b>Eye Contact:</b> Flush eyes with running water for at least 15 minutes. If irritation persists, obtain medical attention. <b>Skin Contact:</b> Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse. NOTE TO PHYSICIAN: Probable mucousal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be needed. <b>Sources Used:</b> Raw material data, general toxicology from the trade for similar products, EPA approved label.		<b>SECTION XII - ECOLOGICAL INFORMATION</b> <b>Ecotoxicological Information:</b> N. Av. <b>Chemical Fate Information:</b> N. Av.																									
<b>SECTION V - FIRE FIGHTING MEASURES</b> <b>Flammability:</b> No <b>Flash Point (method used):</b> None <b>Flammable Limits:</b> N. Ap. LEL UEL <b>Extinguishing Media:</b> N. Ap. <table border="1"><tbody><tr><td>Water?</td><td>Foam?</td><td>Water Fog?</td></tr><tr><td>Alcohol Foam?</td><td>CO2?</td><td>Dry Chemical?</td></tr><tr><td>Vaporizing Liquid?</td><td>Other?</td><td></td></tr></tbody></table> <b>Special Fire Fighting Procedures:</b> N. Ap. <b>Unusual Fire and Explosion Hazards:</b> N. Av. <b>TDG Flammability Classification:</b> Non-flammable <b>Sensitivity to Mechanical Impact:</b> None <b>Sensitivity to Static Discharge:</b> None		Water?	Foam?	Water Fog?	Alcohol Foam?	CO2?	Dry Chemical?	Vaporizing Liquid?	Other?		<b>SECTION XIII - DISPOSAL CONSIDERATIONS</b> <b>Waste Disposal Method:</b> 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. <b>RCRA Hazard Class:</b> Regulated by FIFRA																
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<b>SECTION VI - ACCIDENTAL RELEASE MEASURES</b> <b>Steps to be Taken in Case Material is Released or Spilled:</b> Dike and contain spill with inert material (sand, earth, etc). Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.		<b>SECTION XIV - TRANSPORT INFORMATION</b> <b>Shipping Classification:</b> <b>One gallon or less:</b> DOT: ORM D Consumer Commodity <b>IATA &amp; IMDG:</b> Disinfectant Liquid Corrosive (Quaternary Ammonium compound), Class 8 <b>UN Number:</b> 1903 <b>Packing Group:</b> III																									
<b>SECTION VII - HANDLING AND STORAGE</b> <b>Precautions to be Taken in Handling and Storing:</b> Do not contaminate food or water by storage or disposal. Store only in original containers. See label instructions for container disposal. Do not reuse empty container. <b>Other Precautions:</b> Keep out of reach of children. Do not breathe spray mist.		<b>SECTION XV - PREPARATION DATA</b> <b>Prepared By:</b> Mike Elms <b>Telephone Number:</b> 651-481-1900 <b>Date:</b> 10-24-11																									
<b>SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION</b> <b>Respiratory Protection (Specify Types):</b> Dust/mist respirator should be worn when spraying sanitizing solutions. <b>Ventilation:</b> Local Exhaust: Not required Special: Not required <b>Mechanical (General):</b> Normal good ventilation sufficient. <b>Other:</b> Not required <b>Protective Gloves:</b> Natural rubber or synthetic. <b>Eye Protection:</b> Approved safety goggles or glasses. <b>Footwear:</b> Not required <b>Other Protective Clothing or Equipment:</b> Not required <b>Work/Hygienic Practices:</b> Do not breath spray mist. Do not contaminate food or beverages with cleaning chemicals.		<b>SECTION XVI - REGULATORY INFORMATION</b> <b>US Federal Regulations</b> <b>TSCA Status:</b> All ingredients listed. <b>CERCLA Reportable Quality:</b> N. Av. <b>SARA Title III</b> <b>Section 302 Extremely Hazardous Chemicals:</b> None <b>Section 311/312 Hazard Category:</b> Immediate health hazard <b>Section 313 Toxic Chemicals:</b> None <b>State Regulations</b> <b>International Regulations</b> N/A																									
<b>SECTION XVII - OTHER INFORMATION</b> None  N. Ap. - Not Applicable; N.Av. - Not Available		<b>SECTION XVII - OTHER INFORMATION</b> None  N. Ap. - Not Applicable; N.Av. - Not Available																									
<b>NFPA SYSTEM</b> <u>2</u> A. Health Hazard <u>0</u> A. Fire Hazard <u>0</u> A. Reactivity Hazard																											
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