

# 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> Defoamer <b>Product Class:</b> Silicone oil emulsion <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 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>Emulsified silicone oil (proprietary)</td><td>1 - 5</td></tr><tr><td>B</td><td>Water CAS #7732-18-5</td><td>60 - 100</td></tr></tbody></table>	Chemical	Common Name(s)	%	A	Emulsified silicone oil (proprietary)	1 - 5	B	Water CAS #7732-18-5	60 - 100
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<b>SECTION III - HAZARDS IDENTIFICATION</b> <b>Emergency Overview</b> <b>Appearance and Odor:</b> Opaque/white slightly viscous liquid, mild aroma. <b>Primary Hazards:</b> Non-hazardous in normal use. <b>Potential Health Hazards</b> <b>Route(s) of Entry:</b> <b>Skin Absorption:</b> <b>Ingestion:</b> X <b>Inhalation:</b> <b>Eye:</b> No hazards known. <b>Skin:</b> No hazards known. <b>Ingestion:</b> No hazards known. <b>Inhalation:</b> No hazards known. <b>Signs and Symptoms of Exposure:</b> No effects expected. <b>Carcinogenicity:</b> NTP? No <b>IARC Monographs?</b> 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 IV - FIRST AID MEASURES</b> <b>Emergency and First Aid Procedures:</b> <b>If Swallowed:</b> Drink water in large amounts and call a physician immediately. 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. <b>Sources Used:</b> Raw material data, general toxicology from the trade for similar products.									
<b>SECTION V - FIRE FIGHTING MEASURES</b> <b>Flammability:</b> No <b>Autoignition Temperature:</b> N. Ap. <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>CO<sub>2</sub>?</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?	CO <sub>2</sub> ?	Dry Chemical?	Vaporizing Liquid?	Other?	
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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 VII - HANDLING AND STORAGE</b> <b>Precautions to be Taken in Handling and Storing:</b> Normal care in handling and storage. <b>Other Precautions:</b> Keep out of reach of children. Keep from freezing.									
<b>SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION</b> <b>Respiratory Protection (Specify Types):</b> Not required <b>Ventilation:</b> <b>Local Exhaust:</b> Not required <b>Special:</b> 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 contaminate food or beverages with cleaning chemicals.									

<b>SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS</b> <b>Boiling Point:</b> Approximately 212°F (100°C) <b>pH:</b> 6-8 <b>Specific Gravity (H<sub>2</sub>O) = 1:</b> 1.00 <b>% Volatile:</b> > 90 <b>Vapor Density (Air = 1):</b> N. Av. <b>Odor Threshold:</b> N. Av. <b>Evaporation Rate (Butyl Acetate = 1):</b> N. Av. <b>Oil/Water Distribution</b> <b>Solubility in Water:</b> Complete <b>Coefficient:</b> N. Av. <b>Vapor Pressure (MM HG):</b> N. Av. <b>Melting Point:</b> N. Ap.																		
<b>SECTION X - STABILITY AND REACTIVITY</b> <b>Stability:</b> <b>Unstable:</b> <b>Stable:</b> X <b>Conditions to Avoid:</b> N. Ap. <b>Incompatibility (materials to avoid):</b> N. Av. <b>Hazardous Decomposition or By-products:</b> N. Av. <b>Hazardous Polymerization:</b> <b>May occur:</b> <b>Will not occur:</b> X <b>Conditions to Avoid:</b> N. Ap.																		
<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>None</td><td>None</td><td>N. Av.</td><td>N. Av.</td><td>N. Av.</td></tr><tr><td>B</td><td>None</td><td>None</td><td>N. Av.</td><td>N. Av.</td><td>N. Av.</td></tr></tbody></table> <b>Teratogen, Mutagen, Reproductive Toxin Status:</b> No <b>Toxicologically Synergistic Products:</b> N. Av.	Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50	A	None	None	N. Av.	N. Av.	N. Av.	B	None	None	N. Av.	N. Av.	N. Av.
Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50													
A	None	None	N. Av.	N. Av.	N. Av.													
B	None	None	N. Av.	N. Av.	N. Av.													
<b>SECTION XII - ECOLOGICAL INFORMATION</b> <b>Biodegradation Properties:</b> N. Av. <b>Ecotoxicological Information:</b> N. Av. <b>Chemical Fate Information:</b> N. Av.																		
<b>SECTION XIII - DISPOSAL CONSIDERATIONS</b> <b>Waste Disposal Method:</b> Dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewer, depending on the materials and/or contaminants being cleaned as well as state, federal and local sewer commission regulations. <b>RCRA Hazard Class:</b> None																		
<b>SECTION XIV - TRANSPORT INFORMATION</b> <b>Shipping Classification:</b> Compound, cleaning liquid, N.O.I. <b>UN Number:</b> N. Ap. <b>Packing Group:</b> N. Ap.																		
<b>SECTION XV - PREPARATION DATA</b> <b>Prepared By:</b> Ron Camp <b>Telephone Number:</b> 651-481-1900 <b>Date:</b> 4-12																		
<b>SECTION XVI - REGULATORY INFORMATION</b> <b>US Federal Regulations</b> <b>TSCA Status:</b> All ingredients listed. <b>CERCLA Reportable Quality:</b> None <b>SARA Title III</b> <b>Section 302 Extremely Hazardous Chemicals:</b> None <b>Section 311/312 Hazard Category:</b> None <b>Section 313 Toxic Chemicals:</b> None <b>State Regulations</b> <b>International Regulations</b> <b>WHMIS Controlled Product Hazard Class:</b> N. Ap.																		
<b>SECTION XVII - OTHER INFORMATION</b> None  N. Ap. - Not Applicable; N. Av. - Not Available																		

## NFPA SYSTEM

1 A. Health Hazard 0 A. Fire Hazard 0 A. Reactivity Hazard

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