

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION		
Identity (As Used on Label & List): 7 X-Stream Surface Cleaner (Super Concentrate)		
Product Class: Water-based cleaner		
Emergency Telephone Number: 800-255-3924		
Telephone Number for Information: 651-481-1900		
Manufacturer's Name and Address: Multi-Clean® 600 Cardigan Road Shoreview, MN 55126		
SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS		
Hazardous Components (Specific Chemical Identity):		
Chemical	Common Name(s) %	
A	Dipropylene Glycol Methyl Ether CAS #34590-94-8 10 - 30	
B	Sodium Metasilicate CAS #6834-92-0 1 - 5	
C	Sodium Carbonate CAS #497-19-8 1 - 5	
D	Alcohol Ethoxylates CAS #34398-01-1 1 - 5	
E	Sodium Sulfate CAS #68439-57-6 1 - 5	
F	Propylene Glycol n-Butyl Ether CAS #5131-66-8 1 - 5	
G	Water CAS #7732-18-5 60 - 100	
SECTION III - HAZARDS IDENTIFICATION		
Emergency Overview		
Appearance and Odor: Blue liquid, citrus/floral aroma.		
Primary Hazards: Corrosive		
Potential Health Hazards		
Route(s) of Entry:	Skin Absorption: X Ingestion: Inhalation: X	
Eye:	May cause chemical burns on contact.	
Skin:	May cause chemical burns on contact.	
Ingestion:	May be harmful if swallowed.	
Inhalation:	No hazardous vapors.	
Signs and Symptoms of Exposure:	Eye Contact: Possible burning, tearing, redness and corneal damage. Skin Contact: Possible slippery feeling, redness, swelling and burns. Symptoms may be delayed.	
Carcinogenicity:	NTP? No IARC Monographs? No	
OSHA Regulated?	No	
Target Organ (s):	Skin, eyes, respiratory system and mucous membranes.	
Medical Conditions Generally Aggravated by Exposure:	N. Av.	
Health Hazards, Chronic:	Overexposure to Dipropylene glycol methyl ether or its components has apparently been found to cause the following effects in laboratory animals, liver abnormalities and kidney damage.	
SECTION IV - FIRST AID MEASURES		
Emergency and First Aid Procedures:		
For Eye Contact: Immediately flush eyes with sanitary eye wash solution or running water for at least 15 minutes. Obtain medical attention. Continue to flush eyes until medical attention arrives. If Swallowed: Do not induce vomiting. Drink two glasses of water, follow with orange juice and immediately call a physician. Never give anything by mouth to an unconscious person. Inhalation: If ill effects occur from breathing vapors remove victim to fresh air and quite, keep warm. Contact a physician. For Skin Contact: Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse. Never give anything by mouth to an unconscious person.		
Sources Used: Raw material data, general toxicology from the trade for similar products.		
SECTION V - FIRE FIGHTING MEASURES		
Flammability: No	Autoignition Temperature: N. Av.	
Flash Point (method used): None		
Flammable Limits: N. Av.	LEL UEL	
Extinguishing Media: N. Av.		
Water?	Foam?	Water Fog?
Alcohol Foam?	CO ₂ ?	Dry Chemical?
Vaporizing Liquid?	Other?	
Special Fire Fighting Procedures:	N. Av.	
Unusual Fire and Explosion Hazards:	N. Av.	
TDG Flammability Classification:	Non-flammable	
Sensitivity to Mechanical Impact:	None	
Sensitivity to Static Discharge:	None	
SECTION VI - ACCIDENTAL RELEASE MEASURES		
Steps to be Taken in Case Material is Released or Spilled: 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.		
SECTION VII - HANDLING AND STORAGE		
Precautions to be Taken in Handling and Storing: Normal care in handling and storage.		
Other Precautions: Keep out of reach of children. Keep from freezing.		
SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION		
Respiratory Protection (Specify Types): Not required		
Ventilation:	Local Exhaust: Not required Special: Not required	
Mechanical (General): As required to keep vapor levels below TLV & PEL, listed in Section XI.		
Other: Not required		

Protective Gloves: Natural rubber or synthetic.					
Eye Protection: Approved safety goggles or shield.	Footwear: Not required				
Other Protective Clothing or Equipment: Not required					
Work/Hygienic Practices: Do not contaminate food or beverages with cleaning chemicals.					
SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS					
Boiling Point: Approximately 212°F (100°C)	pH: >13.0				
Specific Gravity (H ₂ O) = 1: 1.04	% Volatile: 60 - 100				
Vapor Density (Air = 1): N. Av.	Odor Threshold: N. Av.				
Evaporation Rate (Butyl Acetate = 1): N. Av.	Oil/Water Distribution				
Solubility in Water: Complete	Coefficient: N. Av.				
Vapor Pressure (MM HG): N. Av.	Melting Point: N. Av.				
SECTION X - STABILITY AND REACTIVITY					
Stability: Unstable: Stable: X					
Conditions to Avoid: N. Av.					
Incompatibility (materials to avoid): N. Av.					
Hazardous Decomposition or By-products: N. Av.					
Hazardous Polymerization: May occur: Will not occur: X					
Conditions to Avoid: N. Av.					
SECTION XI - TOXICOLOGICAL INFORMATION					
Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	100 ppm (skin)	100 ppm (skin)	N. Av.	5.6 gm/kg (rat, oral)	> 33,000 ppm (rat)
B	N. Av.	N. Av.	2 mg/M ³	800 mg/kg (rat, oral)	N. Av.
C	N. Av.	N. Av.	N. Av.	4,000 mg/kg (rat, oral)	N. Av.
D	N. Av.	N. Av.	N. Av.	0.7-1.7 gm/kg (rat, oral)	N. Av.
E	N. Av.	N. Av.	N. Av.	N. Av.	N. Av.
F	None	None	N. Av.	3,300 mg/kg (rat, oral)	N. Av.
G	None	None	N. Av.	N. Av.	N. Av.
Teratogen, Mutagen, Reproductive Toxin Status: No					
Toxicologically Synergistic Products: N. Av.					
SECTION XII - ECOLOGICAL INFORMATION					
Ecotoxicological Information: N. Av.					
Chemical Fate Information: N. Av.					
SECTION XIII - DISPOSAL CONSIDERATIONS					
Waste Disposal Method: 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.					
RCRA Hazard Class: D002, characteristic corrosive.					
SECTION XIV - TRANSPORT INFORMATION					
Shipping Classification: corrosive liquid, basic inorganic, N.O.S. (Containing sodium metasilicate), class 8					
UN Number: 3266					
Packing Group: II					
SECTION XV - PREPARATION DATA					
Prepared By: Mike Elms					
Telephone Number: 651-481-1900					
Date: 12-09					
SECTION XVI - REGULATORY INFORMATION					
US Federal Regulations					
TSCA Status: All ingredients listed.					
CERCLA Reportable Quality: N. Av.					
SARA Title III					
Section 302 Extremely Hazardous Chemicals: None					
Section 311/312 Hazard Category: Immediate health, chronic health					
Section 313 Toxic Chemicals: Dipropylene glycol methyl ether (glycol ethers)					
State Regulations					
International Regulations					
WHMIS Controlled Product Hazard Class: E					
SECTION XVII - OTHER INFORMATION					
None					
N. Av. - Not Applicable; N. Av. - Not Available					

NFPA SYSTEM
2 A. Health Hazard 0 A. Fire Hazard 0 A. Reactivity Hazard

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