

# MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

<b>SECTION I - CHEMICAL PRODUCT &amp; COMPANY IDENTIFICATION</b>		
Identity (As Used on Label and List): Non-Butyl Plus Industrial Degreaser		
Product Class: Water-based degreaser		
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		
<b>SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS</b>		
Hazardous Components (Specific Chemical Identity):		
Chemical	Common Name(s) %	
A	Sodium Metasilicate Pentahydrate 1 - 5 CAS #6834-92-0	
B	Ethoxylated Alcohol 1 - 5 CAS #34398-01-1	
C	Dipropylene Glycol Methyl Ether 1 - 5 CAS #34590-94-8	
D	Propylene Glycol n-Butyl Ether 1 - 5 CAS #5131-66-8	
E	Water 60 - 100 CAS #7732-18-5	
<b>SECTION III - HAZARDS IDENTIFICATION</b>		
Emergency Overview		
Appearance and Odor: Purple liquid, solvent odor.		
Primary Hazards: Corrosive		
Potential Health Hazards		
Route(s) of Entry:	Skin Absorption: X Ingestion: Inhalation: X	
Eye:	May cause chemical burns.	
Skin:	May cause chemical burns.	
Ingestion:	May be harmful if swallowed.	
Inhalation:	Overexposure to vapors may be harmful.	
Signs and Symptoms of Exposure:	Irritation on direct contact.	
Carcinogenicity: NTP?	No IARC Monographs? No	
OSHA Regulated?	No	
Target Organ (s):	Skin, eyes, respiratory system. Gross exposure to vapors may affect central nervous system, liver and kidneys.	
Medical Conditions Generally Aggravated by Exposure:	N. Av.	
Health Hazards, Chronic:	Over exposure to Dipropylene Glycol Monomethyl Ether or its components has apparently been found to cause the following effects in laboratory animals: Mild, reversible liver effects.	
<b>SECTION IV - FIRST AID MEASURES</b>		
Emergency and First Aid Procedures:		
If Swallowed: Do not induce vomiting. If the person can swallow, give several glasses of water. Obtain immediate medical attention. Eye Contact: Flush eyes with running water for at least 15 minutes. Obtain medical attention immediately. Skin Contact: Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse.		
Sources Used: Raw material data, general toxicology from the trade for similar products.		
<b>SECTION V - FIRE FIGHTING MEASURES</b>		
Flammability: No	Autoignition Temperature: N. Ap.	
Flash Point (method used):	None	
Flammable Limits: N. Ap.	LEL UEL	
Extinguishing Media N. Ap.		
Water?	Foam?	Water Fog?
Alcohol Foam?	CO <sub>2</sub> ?	Dry Chemical?
Vaporizing Liquid?	Other?	
Special Fire Fighting Procedures:	N. Ap.	
Unusual Fire and Explosion Hazards:	N. Av.	
TDG Flammability Classification:	Non-flammable	
Sensitivity to Mechanical Impact:	None	
Sensitivity to Static Discharge:	None	
<b>SECTION VI - ACCIDENTAL RELEASE MEASURES</b>		
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.		
<b>SECTION VII - HANDLING AND STORAGE</b>		
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.		
<b>SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION</b>		
Respiratory Protection (Specify Types): Not required		
Ventilation: Local Exhaust: Not required	Special: Not required	
Mechanical (General): Ventilate to keep vapor levels below PEL and TLV, listed in Section XI.	Other: Not required	
Protective Gloves: Natural rubber or synthetic.		
Eye Protection: Approved safety goggles or glasses.	Footwear: Chemical resistant	

Other Protective Clothing or Equipment: Not required					
Work/Hygienic Practices: Do not contaminate food or beverages with cleaning chemicals.					
<b>SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS</b>					
Boiling Point: Approximately 212°F	pH: 13.1 +/- 0.2				
Specific Gravity (H <sub>2</sub> O) = 1: 1.05	% Volatile: > 75				
Vapor Density (Air = 1): > 1	Odor Threshold: N. Av.				
Evaporation Rate (Butyl Acetate = 1): N. Av.	Oil/Water Distribution Coefficient: N. Av.				
Solubility in Water: Complete					
Vapor Pressure (MM HG): N. Av.					
Melting Point: N. Ap.					
<b>SECTION X - STABILITY AND REACTIVITY</b>					
Stability: Unstable: Stable: X					
Conditions to Avoid: N. Ap.					
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. Ap.					
<b>SECTION XI - TOXICOLOGICAL INFORMATION</b>					
Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	N. Ap.	N. Ap.	2 mg/M <sup>3</sup>	800 mg/kg (rat, oral)	N. Av.
B	N. Av.	N. Av.	N. Av.	0.7-1.7 gm/kg (rat, oral)	N. Av.
C	100 ppm (skin)	100 ppm (skin)	N. Av.	5.6 gm/kg (rat, oral)	>33,000 ppm (rat)
D	None	None	N. Av.	3,300 mg/kg (rat, oral)	N. Av.
E	N. Ap.	N. Ap.	N. Av.	N. Av.	N. Av.
Teratogen, Mutagen, Reproductive Toxin Status: No known relevance to humans.					
Toxicologically Synergistic Products: N. Av.					
<b>SECTION XII - ECOLOGICAL INFORMATION</b>					
Ecotoxicological Information: N. Av.					
Chemical Fate Information: N. Av.					
<b>SECTION XIII - DISPOSAL CONSIDERATIONS</b>					
Waste Disposal Method:					
Dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewerred, 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					
<b>SECTION XIV - TRANSPORT INFORMATION</b>					
Shipping Classification: Corrosive liquid, basic inorganic, N.O.S. (Containing sodium metasilicate), Class 8					
UN Number: 3266					
Packing Group: II					
<b>SECTION XV - PREPARATION DATA</b>					
Prepared By: Mike Elms					
Telephone Number: 651-481-1900					
Date: 8/08					
<b>SECTION XVI - REGULATORY INFORMATION</b>					
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: None					
State Regulations					
International Regulations					
WHMIS Controlled Product Hazard Class: E					
<b>SECTION XVII - OTHER INFORMATION</b>					
None					
N. Ap. - Not Applicable; N. Av. - Not Available					

## NFPA SYSTEM

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

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