

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION	
Identity (As Used on Label and List): Pre-Treat Product Class: Water-based carpet 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	Sodium sesquicarbonate CAS #533-96-0 1 - 5
B	Alkylated naphthalene sulfonate mixture 1 - 5
C	Dipropylene glycol methyl ether CAS #34590-94-8 3 - 7
D	Propylene glycol n-butyl ether CAS #5131-66-8 1 - 5
E	Water CAS #7732-18-5 60 - 100
SECTION III - HAZARDS IDENTIFICATION	
Emergency Overview	
Appearance and Odor: Clear liquid, fresh linen fragrance Primary Hazards: Irritant	
Potential Health Hazards	
Route(s) of Entry: Skin Absorption: Ingestion: Inhalation: Eye: May cause irritation on contact. Skin: May cause irritation on contact. 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 overexposure to vapors may affect central nervous system, liver and kidneys. Medical Conditions Generally Aggravated by Exposure: N. Av. Health Hazards, Chronic: Overexposure to chemical C 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: If Swallowed: Drink water in large amounts and call a physician immediately. Never give anything by mouth to an unconscious person. Eye Contact: Flush eyes with running water for at least 15 minutes. If irritation persists, obtain medical attention. 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.	
SECTION V - FIRE FIGHTING MEASURES	
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? CO₂? 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	
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): Ventilate 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 glasses. 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 pH: < 10 Specific Gravity (H₂O) = 1: 1.028 % Volatile: > 85 Vapor Density (Air = 1): N. Av. 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.	
SECTION X - STABILITY AND REACTIVITY	
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.	
SECTION XI - TOXICOLOGICAL INFORMATION	
Chemical	OSHA PEL ACGIH TLV Recom. LD50 LC50
A	15 mg/M ³ 10 mg/M ³ N. Av. 4.5 g/kg (rat, oral) N. Av.
B	None None N. Av. 3,400 mg/kg (rat, oral) N. Av.
C	100 ppm (skin) 100 ppm (skin) N. Av. 5.6 g/kg (rat, oral) > 33,000 ppm
D	None None N. Av. 3,300 mg/kg (rat, oral) N. Av.
E	None None N. Av. N. Av. N. Av.
Teratogen, Mutagen, Reproductive Toxin Status: N. Av. 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: None	
SECTION XIV - TRANSPORT INFORMATION	
Shipping Classification: Compound, cleaning liquid, N.O.I. UN Number: N. Ap. Packing Group: N. Ap.	
SECTION XV - PREPARATION DATA	
Prepared By: Hannah Follis Telephone Number: 651-481-1900 Date: 12/09	
SECTION XVI - REGULATORY INFORMATION	
US Federal Regulations TSCA Status: All ingredients listed. CERCLA Reportable Quality: None SARA Title III Section 302 Extremely Hazardous Chemicals: None Section 311/312 Hazard Category: Immediate health hazard Section 313 Toxic Chemicals: None State Regulations International Regulations WHMIS Controlled Product Hazard Class: D2B	
SECTION XVII - OTHER INFORMATION	
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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