

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): Extraction
Product Class: Water-based carpet cleaner, low foam
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	Tetrasodium EDTA, tetrahydrate CAS #64-02-8	1 - 5
B	Sodium sesquicarbonate CAS #533-96-0	1 - 5
C	Alkylated naphthalene sulfonate mixture	1 - 5
D	Propylene glycol n-butyl ether CAS #5131-66-8	1 - 5
E	Dipropylene glycol methyl ether CAS #34590-94-8	1 - 5
F	Water CAS #7732-18-5	60 - 100

SECTION III - HAZARDS IDENTIFICATION

Emergency Overview
Appearance and Odor: Green liquid, Fresh linen fragrance.
Primary Hazards: Irritant

Potential Health Hazards
Route(s) of Entry: Skin Absorption: X Ingestion: Inhalation: X
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 E 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. Av.
Flash Point (method used): None
Flammable Limits: N. Av. LEL UEL
Extinguishing Media: N. Av.
Water? **Foam?** **Water Fog?**
Alcohol Foam? **CO₂?** **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): 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 (100°C) **pH:** 9-10
Specific Gravity (H₂O) = 1: 1.038 **% Volatile:** > 85
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. Ap.

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	N. Av.	N. Av.	N. Av.	> 2,000 mg/kg (rat, oral)	N. Av.
B	15 mg/M ³	10 mg/M ³	N. Av.	4.5 g/kg (rat, oral)	N. Av.
C	None	None	None	3,400 mg/kg (rat, oral)	N. Av.
D	None	None	N. Av.	3,300 mg/kg (rat, oral)	N. Av.
E	100 ppm (skin)	100 ppm (skin)	N. Av.	> 5 ml/kg (rat)	N. Av.
F	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. Av.
Packing Group: N. Av.

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, chronic health.
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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