

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION
Identity (As Used on Label and List): 105 Non-Volatile Dry Spotter
Product Class: Solvent 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	Dibasic ester mixture CAS #627-93-0	15 - 40
B	Dimethyl glutarate CAS #1119-40-0	15 - 40
C	Dipropylene glycol methyl ether CAS #34590-94-8	15 - 40
D	n-Methyl pyrrolidone CAS #872-50-4	15 - 40
E	Propylene glycol n-butyl ether CAS #5131-66-8	3 - 7

SECTION III - HAZARDS IDENTIFICATION
Emergency Overview
Appearance and Odor: Clear liquid, mild solvent aroma.
Primary Hazards: Irritant

Potential Health Hazards
Route(s) of Entry: Skin Absorption: X Ingestion: Inhalation: X
Eye: Eye irritant.
Skin: May cause irritation.
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): Eyes, skin, mucous membranes, liver, central nervous system, kidneys with overexposure.
Medical Conditions Generally Aggravated by Exposure: N. Av.
Health Hazards, Chronic:

SECTION IV - FIRST AID MEASURES
Emergency and First Aid Procedures:
If Swallowed: Drink two or more glasses of water 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. Obtain medical attention. **Skin Contact:** Wash with soap and water and 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: Combustible **Autoignition Temperature:** N. Av.
Flash Point (method used): Greater than 140°F, component data.
Flammable Limits: N. Av. LEL UEL
Extinguishing Media
Water? **Foam?** **Water Fog?**
Alcohol Foam? X **CO₂?** X **Dry Chemical?** X
Vaporizing Liquid? **Other?** NA
Special Fire Fighting Procedures: Waterhose stream may spread fire. Use water spray to keep container cool.
Unusual Fire and Explosion Hazards: None known
TDG Flammability Classification: N. Ap.
Sensitivity to Mechanical Impact: None
Sensitivity to Static Discharge: Product above its flashpoint may emit vapors ignitable by sparks.

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. Contact lenses should not be worn.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION
Respiratory Protection (Specify Types): NIOSH approved organic vapor mask required if ventilation is insufficient to maintain a satisfactory vapor level.
Ventilation: Local Exhaust: Not required **Special:** Not required
Mechanical (General): Provide adequate ventilation to exhaust vapors.
Other: Not required
Protective Gloves: Chemical resistant rubber.

Eye Protection: Approved safety goggles or glasses.
Footwear: Not normally required.
Other Protective Clothing or Equipment: Spraying of product NOT recommended. Wear dust/mist respirator if applied by sprayer to prevent excessive inhalation of cleaner mists.
Work/Hygienic Practices: Avoid excessive breathing of vapor or mist. Avoid repeated or prolonged contact with skin.

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS
Boiling Point: 338 - 437°F (170 - 225°C) **pH:** N. Ap.
Specific Gravity (H20) = 1: 1.04 **% Volatile:** Approx. 65
Vapor Density (Air = 1): N. Av. **Odor Threshold:** N. Av.
Evaporation Rate (Butyl Acetate = 1): < 1 **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): Severe oxidizing agents.
Hazardous Decomposition or By-products: Carbon dioxide, carbon monoxide.
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	N. Ap.	N. Ap.	1.5 ppm	8,191 mg/kg (rat, oral)	>10.7 mg/L
B	None	None	1.5 ppm		
C	100 ppm (skin)	100 ppm (skin)	N. Av.	> 5 ml/kg (rat)	N. Av.
D	None	None	100 ppm	4,200 mg/kg (rat, oral)	N. Av.
E	none	None	N. Av.	3,300 mg/kg (rat, oral)	N. Av.

Teratogen, Mutagen, Reproductive Toxin Status: n-Methyl pyrrol has been associated with fetotoxic and reduced male fertility effects with high levels of exposure.
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: D001, Characteristic flammable

SECTION XIV - TRANSPORT INFORMATION
Shipping Classification: N.O.S.
UN Number: N. Ap., cleaning liquid
Packing Group: N. Ap.

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 Quantity: 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, B3

SECTION XVII - OTHER INFORMATION
None
N. Ap. - Not Applicable; N. Av. - Not Available

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

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