

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): Freezer Locker Cleaner
Product Class: General Purpose Propylene Glycol/Water Based Cleaner
Emergency Telephone Number: 800-255-3924
Telephone Number for Information: 651-481-1900
Manufactured by:
Multi-Clean
600 Cardigan Road
Shoreview, MN 55126

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Specific Chemical Identity):		
Chemical	Common Name(s)	%
A	Propylene Glycol CAS #57-55-6	38 - 42
B	Ethoxylated Alcohol CAS #34398-01-1	1 - 5
C	Propylene Glycol Monomethyl Ether CAS #107-98-2	1 - 5
D	Dipropylene Glycol Monomethyl Ether CAS #34590-94-8	1 - 5
E	Potassium Hydroxide CAS #1310-58-3	0.5 - 1.5
F	Water CAS #7732-18-5	30 - 60

SECTION III - HAZARDS IDENTIFICATION

Emergency Overview
Appearance and Odor: Clear Liquid, Mild Odor
Primary Hazards: Corrosive

Potential Health Hazards
Route(s) of Entry: Skin Absorption: X Ingestion: X Inhalation: X
Eye: May cause chemical burns on contact.
Skin: May cause chemical burns on contact.
Ingestion: May be harmful if swallowed.
Inhalation: Overexposure to vapors may be harmful.
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, liver, kidneys.
Medical Conditions Generally Aggravated by Exposure: N. Av.
Health Hazards, Chronic: Over exposure to Dipropylene Glycol Methyl Ether or its components has apparently been found to cause the following effects in Lab animals: Liver abnormalities and kidney damage.

SECTION IV - FIRST AID MEASURES

Emergency and First Aid Procedures:
If Swallowed: Do not induce vomiting. If person can swallow, give several glasses of water. Obtain immediate medical attention. **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 w/ 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

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection (Specify Types): Not required. Dust/mist mask recommended if working in heavy cleaner mists or spray.
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:** >13.0
Specific Gravity (H₂O) = 1: 1.03 **% Volatile:** > 50
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): Strong acids and strong oxidizers.
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	N. Av.	N. Av.	N. Av.	>2000 mg/kg (rat, oral)	N. Av.
B	None	None	N. Av.	0.7-1.7 g/kg (rat, oral)	N. Av.
C	100 ppm	100 ppm	N. Av.	6,600 mg/kg (rat, oral)	>200 mg/L (rat, 1 hour)
D	100 ppm	100 ppm	N. Av.	5.6 gm/kg (rat, oral)	>3,300 ppm (rat)
E	2 mg/M3	2 mg/M3	N. Av.	205 mg/kg (rat, oral)	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 sewerred, 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: Corrosive Liquid, Basic Inorganic, N.O.S. (Containing Potassium Hydroxide), 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: None
SARA Title III
Section 302 Extremely Hazardous Chemicals: None
Section 311/312 Hazard Category: Immediate health, chronic health
Section 313 Toxic Chemicals: Glycol Ether
State Regulations

International Regulations
WHMIS Controlled Product Hazard Class: N. A.

SECTION XVII - OTHER INFORMATION

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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