

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION		
Identity (As Used on Label and List): PowerBoss Freezer Locker Cleaner Product Class: General Purpose Propylene Glycol/Water Based Cleaner Emergency Telephone Number: 800-255-3924 Telephone Number for Information: 910-944-2105 Manufactured for: PowerBoss Inc. 175 Anderson Street Aberdeen, NC 28315		
SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS		
Hazardous Components (Specific Chemical Identity):		
Chemical	Common Name(s) %	
A	Propylene Glycol 38 - 42 CAS #57-55-6	
B	Ethoxylated Alcohol 1 - 5 CAS #34398-01-1	
C	Propylene Glycol Monomethyl Ether 1 - 5 CAS #107-98-2	
D	Dipropylene Glycol Monomethyl Ether 1 - 5 CAS #34590-94-8	
E	Potassium Hydroxide 0.5 - 1.5 CAS #1310-58-3	
F	Water 30 - 60 CAS #7732-18-5	
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				
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. 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: 4/08					
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		
<u> 2 </u> A. Health Hazard	<u> 0 </u> A. Fire Hazard	<u> 0 </u> A. Reactivity Hazard
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