

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION		
Identity (As Used on Label and List): PowerBoss Tire Mark Remover		
Product Class: Citrus solvent degreaser		
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	d-Limonene CAS #5989-27-5	60 - 80
B	Dodecylbenzene sulfonic acid CAS #26264-05-1	5 - 10
C	Alkoxylated amine CAS #68478-95-5	1 - 5
D	Ethoxylated alkyl amine CAS #68478-95-5	1 - 5
E	Water CAS #7732-18-5	10 - 30
SECTION III - HAZARDS IDENTIFICATION		
Emergency Overview		
Appearance and Odor: Light amber liquid, citrus aroma.		
Primary Hazards: Irritant		
Potential Health Hazards		
Route(s) of Entry:	Skin Absorption: X	Ingestion: X
Eye: Severe eye irritant.		Inhalation: X
Skin: May cause irritation.		
Ingestion: May be harmful if swallowed.		
Inhalation: May irritate mucous membranes. Overexposure to vapors may cause nausea.		
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.		
Medical Conditions Generally Aggravated by Exposure: N. Av.		
Health Hazards, Chronic: Repeated skin contact may cause sensitization.		
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): 120°F Tcc (49°C)		
Flammable Limits: N. Av.	LEL	UEL
Extinguishing Media		
Water?	Foam? X	Water Fog?
Alcohol Foam?	CO₂? X	Dry Chemical? X
Vaporizing Liquid?	Other?	
Special Fire Fighting Procedures: N. Ap.		
Unusual Fire and Explosion Hazards: None known		
TDG Flammability Classification: 3.3		
Sensitivity to Mechanical Impact: None		
Sensitivity to Static Discharge: Above flashpoint.		
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: Wear dust/mist respirator if applied by mechanical 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: N. Av., d-Limonene 349°F (176°C)	pH: 8 - 9				
Specific Gravity (H2O) = 1: 0.891	% Volatile: > 80				
Vapor Density (Air = 1): > 1	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. Av.					
Incompatibility (materials to avoid): Severe oxidizing agents.					
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	None	None	N. Av.	5 g/kg (oral, rat)	N. Av.
B	None	None	N. Av.	N. Av.	N. Av.
C	None	None	50 ppm	N. Av.	N. Av.
D	None	None	50 ppm	N. Av.	N. Av.
E	None	None	N. Av.	N. Av.	N. Av.
Teratogen, Mutagen, Reproductive Toxin Status: No					
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: Flammable liquid, N.O.S. (Containing Terpene), class 3					
UN Number: 1993					
Packing Group: III					
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 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
1 A. Health Hazard 2 A. Fire Hazard 0 A. Reactivity Hazard

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