

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): Powersol 500
Product Class: Citrus fortified cleaner/degreaser
Emergency Telephone Number: 800-255-3924
Telephone Number for Information: 630-530-0007
Distributor's Name and Address:
Minuteman/PowerBoss Inc.
1190 N. Villa Avenue
Villa Park, IL 60181

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Specific Chemical Identity):

Chemical	Common Name(s)	%
A	d-Limonene CAS #5989-27-5	3 - 10
B	Ethoxylated Alkyl Amine CAS #68478-95-5	5 - 10
C	Surfactant/Hydrotrope (mixture)	1 - 5
D	Sodium Metasilicate Pentahydrate CAS #6834-92-0	1 - 5
E	Water CAS #7732-18-5	60 - 100

SECTION III - HAZARDS IDENTIFICATION

Emergency Overview

Appearance and Odor: Orange liquid, citrus aroma.

Primary Hazards: Irritant

Potential Health Hazards

Route(s) of Entry: Skin Absorption: X Ingestion: X Inhalation: X

Eye: May cause irritation on contact.

Skin: May cause irritation on contact.

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: Do not induce vomiting. 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): Over 140°F Tcc

Flammable Limits: N. Av. LEL UEL

Extinguishing Media

Water?	Foam? X	Water Fog?
Alcohol Foam?	CO ₂ ? X	Dry Chemical? X
Vaporizing Liquid?	Other?	

Special Fire Fighting Procedures: N. Ap.

Unusual Fire and Explosion Hazards: None known

TDG Flammability Classification: None

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:** 12.4

Specific Gravity (H2O) = 1: **% Volatile:** > 80

Vapor Density (Air = 1): > 1

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): 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	50 ppm	N. Av.	N. Av.
C	None	N. Ap.	N. Av.	6,000 mg/kg (oral)	N. Av.
D	None	None	2 mg/kg	800 mg/kg	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: None

SECTION XIV - TRANSPORT INFORMATION

Shipping Classification: Compound cleaning liquid, N.O.I.

UN Number: N. Ap.

Packing Group: N. Ap.

SECTION XV - PREPARATION DATA

Prepared By: Mike Elms

Telephone Number: 651-481-1900

Date: 1/00

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

NOTICE STATE OF CALIFORNIA

Warning: This product may contain chemicals known to the State of California to cause cancer or reproductive defects as trace impurities in the standard industrial materials used in the manufacture of this product.

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 1 A. Fire Hazard 0 A. Reactivity Hazard

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