

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): PowerBoss Heavy Duty Degreaser, Part A
Product Class: Heavy-duty industrial cleaner/degreaser
Emergency Telephone Number: 800-255-3924
Telephone Number for Information: 910-944-2105
Distributor's Name and Address:
PowerBoss Inc.
175 Anderson Street
Aberdeen, NC 28315

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Specific Chemical Identity):

Chemical	Common Name(s)	%
A	Sodium Hydroxide CAS #1310-73-2	30 - 40
B	Sodium Metasilicate Pentahydrate CAS #6834-92-0	1 - 5
C	Water CAS #7732-18-5	40 - 70

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: Ingestion: X Inhalation:

Eye: May cause severe chemical burns on contact.

Skin: May cause severe chemical burns on contact.

Ingestion: May cause severe chemical burns.

Inhalation: No hazardous vapors.

Signs and Symptoms of Exposure: Corrosive to all body tissues by all routes of exposure. Contact with skin can produce severe burns and destroy tissues; irritation may be delayed. Contact with eyes may cause severe burns, permanent damage and possibly blindness. Harmful or fatal if swallowed - causes severe burns of mouth, throat and stomach. Inhalation of generated mists or spray may cause respiratory irritation or damage.

Carcinogenicity: NTP? No IARC Monographs? No

OSHA Regulated? No

Target Organ (s): Eyes and skin.

Medical Conditions Generally Aggravated by Exposure: N. Av.

Health Hazards, Chronic: N. Av.

SECTION IV - FIRST AID MEASURES

Emergency and First Aid Procedures:

Ingestion: If person can swallow, give several glasses of water. Do not induce vomiting. Get immediate medical attention. **For Eye Contact:** Flush immediately with water for 15 minutes. Get immediate medical attention. **For Skin Contact:** Wash affected area with soap and water. Remove contaminated clothing and launder before reuse. **For Inhalation:** Remove to fresh air. If irritation persists, get medical attention.

Sources Used: Raw material data, general toxicology from the trade for similar products.

SECTION V - FIRE FIGHTING MEASURES

Flammability: No **Autoignition Temperature:** N. Av.

Flash Point (method used): None

Flammable Limits: N. Av. LEL UEL

Extinguishing Media: N. Av.

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

Special Fire Fighting Procedures: N. Av.

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 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.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection (Specify Types): Not required

Ventilation: Local Exhaust: Not required **Special:** Not required

Mechanical (General): Normal good ventilation sufficient.

Other: Not required

Protective Gloves: Natural rubber or synthetic.

Eye Protection: Approved safety goggles or glasses. **Footwear:** Chemical resistant

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)

Specific Gravity (H₂O) = 1: 1.4

Vapor Density (Air = 1): < 1

Evaporation Rate (Butyl Acetate = 1): N. Av.

Solubility in Water: Complete

Vapor Pressure (MM HG): N. Av.

Melting Point: N. Av.

pH: > 13.5

% Volatile: 40 - 60

Odor Threshold: N. Av.

Oil/Water Distribution

Coefficient: N. Av.

SECTION X - STABILITY AND REACTIVITY

Stability: Unstable: Stable: X

Conditions to Avoid: Acids, Amphoteric Metals (Aluminum, Copper & Zinc).

Incompatibility (materials to avoid): N. Av.

Hazardous Decomposition or By-products: N. Av.

Hazardous Polymerization: May occur: Will not occur: X

Conditions to Avoid: N. Av.

SECTION XI - TOXICOLOGICAL INFORMATION

Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	2 mg/M ₃	2 mg/M ₃	N. Av.	140-340 mg/kg (rat, oral)	N. Av.
B	None	None	2 mg/M ₃	800 mg/kg	N. Av.
C	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 sewerred, depending on the materials and/or contaminates being cleaned as well as state, federal and local sewer commission regulations.

RCRA Hazard Class: D002, characteristic corrosive.

SECTION XIV - TRANSPORT INFORMATION

Shipping Classification: Corrosive liquid, basic inorganic, N.O.S. (Containing Sodium 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: N. Av.

SARA Title III

Section 302 Extremely Hazardous Chemicals: None

Section 311/312 Hazard Category: Immediate health hazard

Section 313 Toxic Chemicals: None

State Regulations

International Regulations

WHMIS Controlled Product Hazard Class: E

SECTION XVII - OTHER INFORMATION

None

N. Av. - Not Applicable; N. Av. - Not Available

NFPA SYSTEM

3 A. Health Hazard 0 A. Fire Hazard 0 A. Reactivity Hazard

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE, HOWEVER NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. WE ASSUME NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE TO VENDEES, USERS OR THIRD PARTIES CAUSED BY THE MATERIAL. SUCH VENDEES OR USERS ASSUME ALL RISKS ASSOCIATED WITH THE USE OF THE MATERIAL.