

# 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 <sub>2</sub> 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 (H<sub>2</sub>O) = 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 <sub>3</sub>	2 mg/M <sub>3</sub>	N. Av.	140-340 mg/kg (rat, oral)	N. Av.
B	None	None	2 mg/M <sub>3</sub>	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

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