



**SAFETY DATA SHEET  
EACO CHEM, INC.**

**Issue Date:** 11/30/15 **Revision Date:**8/3/2018

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

**Product Name:** BOSS

**Recommended Use of the Mixture and Restrictions On Use:**

**Restricted To:** For Professional Use Only

**Uses Advised Against:** Not Recommended for Household Use.

**Details of the Supplier of the Safety Data Sheet**

**Manufacturers Address:**

EaCo Chem, Inc.  
765 Commerce Avenue  
New Castle, PA 16101  
724-656-1055

**Emergency telephone number :**

8:00 AM to 5:00 PM EST Monday-Friday 1-800-313-8505  
Non-Business Hours (CHEM-TEL) 1-800-255-3924

**2. HAZARDS IDENTIFICATION**

**2.1 Classification of Mixture**

GHS Classification HCS 2012 (29 CFR 1910)

Hazard Class	Category	Hazard Statements	Precautionary Statements
Corrosive to metals	1	H290	P234,P233
Acute toxicity, Oral	4	H302, H304	P260, P270, P280, P301+P330+P331, P304+P340, P315
	1A	H314	P262,P264,P270, P280, P303+P361+P353, P315, P260
Serious eye damage	1	H318	P280, P305+P351+P338, P315
Acute aquatic toxicity	3	H402 (at full strength with high pH)	P501

**2.2 Label Elements HCS 2012 (29 CFR 1910)**

**PICTOGRAMS**



**Signal Word:** DANGER

**Hazard Statements:**

Hazard #	Hazard Statement
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H402	Harmful to aquatic life.

**Precautionary Statements:**

Precautionary #	Precautionary Statement
P202	Do not handle until all safety precautions have been read and understood.
P233	Keep container tightly closed.
P234	Keep only in original container.
P260	Do not breathe dust, fumes or mist.
P262	Do not get in eyes, on skin, or on clothing.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves and eye protection.
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P315	Get immediate medical advice/attention.
P501	Dispose of contents/container according to federal, state & local regulations.

**2.3 Hazards Not Otherwise Classified (HNOC):**

None known

**Other Information****3. COMPOSITION/INFORMATION ON MIXTURES****Hazardous Components**

Chemical name	CAS number	%	Trade secret
Potassium Hydroxide	1310-58-3	30-35	*
Petroleum Distillates	64742-47-8	15-20	*
Balance	Trade Secret	Balance	*

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

## **4. FIRST AID MEASURES**

### **4.1 Description of First Aid Measures**

#### **General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.  
Remove contaminated clothing.

#### **If inhaled**

If breathed in, move person to fresh air. Call a physician. If not breathing, give artificial respiration.

#### **In case of skin contact**

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

#### **In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes. Consult a physician immediately.

#### **If swallowed**

Do NOT induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person. Consult a physician immediately.

### **4.2 Most important symptoms and effects, both acute and delayed:**

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11

### **4.3 Indication of any immediate medical attention and special treatment needed:**

No data available.

## **5. FIRE-FIGHTING MEASURES**

### **5.1 Extinguishing media:**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### **5.2 Special hazards arising from the substance or mixture:**

Potassium Oxides, Carbon Oxides

### **5.3 Advice for firefighters:**

If evacuation of personnel is necessary, evacuate to an upwind area. Use protective clothing and NIOSH-approved breathing equipment for firefighting if necessary.

### **5.4 Further information:**

Use water spray to cool unopened containers.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures:

Isolate the area and contain the spilled material. Persons not wearing the appropriate PPE should be removed from the area until the spill is cleaned up. Stop leak if you can do it without risk and avoid run off to waterways or storm drains.

### 6.2 Environmental precautions:

Do not let product enter drains, waterways or storm drains. Do not discharge into the environment.

### 6.3 Methods and materials for containment and cleaning up:

Soak up with inert absorbent material and prepare for disposal. Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections:

For disposal see section 13.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling:

Wear all appropriate Personal Protective Equipment (PPE). Wear respiratory protection or ensure adequate ventilation at all times as vapors can accumulate in confined or poorly ventilated areas. Use the product in a manner which minimizes splashes. Keep container closed when not in use.

**Additional Protective Measures:** Safety showers and eyewash stations should be available. Educate and train employees in safe use of this product. Follow all label warnings and data sheet instructions.

### 7.2 Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**7.3 Regulatory Requirements:** No data found

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**Engineering controls:** Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Ensure that eyewash stations and safety showers are close to the workstation location.

**Ventilation Control:** Provide adequate ventilation to control airborne concentration.

**Administrative controls:** Educate and train employees in safe use of this product. Follow all label warnings and data sheet instructions.

**Personal Protection:** As prescribed in the OSHA Standard for Personal Protective Equipment (29 CFR 1910.132), employers must perform a hazard assessment of all workplaces to determine the need for proper protective equipment for each employee.

**Eye Protection:** Close fitting safety goggles. Face Protection shield

**Skin and Body Protection:** Wear protective gloves and protective clothing.

**Respiratory Protection:** If irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1 Information on basic physical and chemical properties**

- a) Appearance Form: liquid, Milky white
- b) Odor: Strong solvent odor
- c) Odor Threshold: Not determined.
- d) pH: 13.5
- e) Melting point/freezing point: No data available
- f) Initial boiling point and boiling range: > 100 °C (> 212 °F)
- g) Flash point: No data available
- h) Evaporation rate: No data available
- i) Flammability (solid, gas): No data available
- j) Upper/lower flammability or explosive limits: No data available
- k) Vapor pressure: No data available
- l) Vapor density: No data available
- m) Relative density: 1.13 g/cm<sup>3</sup> at 25 °C (77 °F)
- n) Water solubility: Slight
- o) Auto-ignition temperature: No data available
- p) Decomposition temperature: No data available
- q) Viscosity: No data available
- r) Explosive properties: No data available
- s) Oxidizing properties: No data available

## **10. STABILITY AND REACTIVITY**

**10.1 Reactivity:** No data available

**10.2 Chemical stability:** Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions:** No data available

**10.4 Conditions to avoid:** High heat

**10.5 Incompatible materials:** No data available

**10.6 Hazardous decomposition products:** No data available

**10.7 Other decomposition products:** No data available

**10.8 Other Information: In the event of fire:** See section 5

## **11. TOXICOLOGICAL INFORMATION**

### **11.1 Information on toxicological effects**

**Product Information:** Causes Burns, Corrosive

Inhalation: Avoid breathing vapors. May be harmful if inhaled.

Ingestion: Harmful if swallowed.

Eyes: Corrosive and may cause severe damage.

Skin: Causes burns and blisters with prolonged contact.

**Germ cell mutagenicity:** No data available

**Carcinogenicity:** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Reproductive toxicity:** No data available

**Specific target organ toxicity - single exposure:** No data available

**Specific target organ toxicity - repeated exposure:** No data available

**Aspiration hazard:** No data available

**Additional Information:** No data available

## **12. ECOLOGICAL INFORMATION**

**12.1 Toxicity:** No data available

**12.2 Persistence and Degradability:** No data available

**12.3 Bioaccumulative Potential:** No data available

**12.4 Mobility in Soil:** No data available

**12.5 Other Adverse Ecological Effects:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

## **13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Waste must be disposed of in accordance with federal, state and local environmental control regulations. Incineration is the preferred method.

**Empty Container Precautions:** Empty containers must be handled with care due to product residue. Decontaminate containers prior to disposal. Empty decontaminated containers should be crushed to prevent reuse.

**Contaminated packaging:** Dispose of as unused product.

## **14. TRANSPORT INFORMATION**

**DOT UN #:** 1760

**Proper Shipping Name:** Corrosive Liquids, N.O.S.

**Hazard Class:** 8

**Packing Group:** II

**Important Note:** *Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.*

## **15. REGULATORY INFORMATION**

This listing is to highlight federal level regulations of the product. Individual states, and other nations may have further regulations not listed below.

#### Classification of Mixture:

#### US Federal Regulations:

**SARA 302: Components:** No Chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

**SARA 313:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Chemical Name	CAS NO	%
Potassium Hydroxide	1310-58-3	30-35
Petroleum Distillates	64742-47-8	15-20

#### SARA 311/312 Hazard Categories:

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

**California Proposition 65:** This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

#### US State Right-to-Know Regulations:

Chemical Name	PA	MA	NJ
Potassium Hydroxide	X	X	X
Petroleum Distillates	X	X	X

## 16. OTHER INFORMATION

#### HMIS® Hazard Ratings:

HEALTH	3
FIRE	1
REACTIVITY	0
PERSONAL PROTECTION	C*

4 = EXTREME / 3 = HIGH / 2 = MODERATE / 1 = SLIGHT / 0 = INSIGNIFICANT

\*C: Chemical resistant gloves, goggles and apron.

**Disclaimer:** The Information compiled on this safety data sheet is considered accurate and true from the most current data available. The data and information provided in this safety data sheet is measured to be extremely accurate but there will be variances in data from different sources. Eaco Chem fully disclaims liability for any injury or loss from improper use or mishandling of the product or the product data given in this sheet. The specific data and information given in this sheet is described as reliable and accurate but

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**END OF SDS**