SAFETY DATA SHEET
EACO CHEM, INC.

Issue Date: 01/01/16 Revision Date: 8/3/2018

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

Product Name: PURPLE PLUS BC

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)

<table>
<thead>
<tr>
<th>Hazard Class</th>
<th>Category</th>
<th>Hazard Statements</th>
<th>Precautionary Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity, Oral</td>
<td>5</td>
<td>H301</td>
<td>P260, P270, P280, P301+P330+P331, P304+P340, P315</td>
</tr>
<tr>
<td>Skin Irritation</td>
<td>2</td>
<td>H315</td>
<td>P262, P264, P270, P280, P363, P303+P361+P353, P315,</td>
</tr>
<tr>
<td>Serious eye Irritation</td>
<td>2A</td>
<td>H319</td>
<td>P280, P305+P351+P338, P315</td>
</tr>
</tbody>
</table>

2.2 Label Elements HCS 2012 (29 CFR 1910)
PICTOGRAMS

Signal Word: DANGER
### Hazard Statements:

<table>
<thead>
<tr>
<th>Hazard #</th>
<th>Hazard Statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>H301</td>
<td>Toxic if swallowed</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
</tbody>
</table>

### Precautionary Statements:

<table>
<thead>
<tr>
<th>Precautionary #</th>
<th>Precautionary Statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>P260</td>
<td>Do not breathe dust/fume/gas/mist/vapours/spray.</td>
</tr>
<tr>
<td>P262</td>
<td>Do not get in eyes, on skin, or on clothing.</td>
</tr>
<tr>
<td>P264</td>
<td>Wash hands thoroughly after handling.</td>
</tr>
<tr>
<td>P270</td>
<td>Do not eat, drink or smoke when using this product.</td>
</tr>
<tr>
<td>P280</td>
<td>Wear protective gloves/protective clothing/eye protection/face protection.</td>
</tr>
<tr>
<td>P301+P330+P331</td>
<td>IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</td>
</tr>
<tr>
<td>P303+P361+P353</td>
<td>IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].</td>
</tr>
<tr>
<td>P304+P340</td>
<td>IF INHALED: Remove person to fresh air and keep comfortable for breathing.</td>
</tr>
<tr>
<td>P305+P351+P338</td>
<td>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</td>
</tr>
<tr>
<td>P315</td>
<td>Get immediate medical advice/attention.</td>
</tr>
<tr>
<td>P363</td>
<td>Wash contaminated clothing before reuse.</td>
</tr>
<tr>
<td>P37</td>
<td>Stop leak if safe to do so.</td>
</tr>
<tr>
<td>P391</td>
<td>Collect spillage.</td>
</tr>
<tr>
<td>P404</td>
<td>Store in a closed container.</td>
</tr>
<tr>
<td>P501</td>
<td>Dispose of contents/container according to federal, state &amp; local regulations.</td>
</tr>
</tbody>
</table>

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

None known

### Other Information

### 3. COMPOSITION/INFORMATION ON MIXTURES

#### Hazardous Components

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>%</th>
<th>Trade secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Butoxyethanol</td>
<td>111-76-2</td>
<td>1-5</td>
<td>*</td>
</tr>
<tr>
<td>Potassium Hydroxide</td>
<td>1310-58-3</td>
<td>1-5</td>
<td>*</td>
</tr>
<tr>
<td>Sodium Tripolyphosphate</td>
<td>7758-29-4</td>
<td>5-10</td>
<td>*</td>
</tr>
<tr>
<td>Balance</td>
<td>Trade Secret</td>
<td>Balance</td>
<td>*</td>
</tr>
</tbody>
</table>

* 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. Never give anything by mouth to an unconscious person. 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
Remove contact lenses, if present & easy to do. 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.

Chronic symptoms: Not available

4.3 Indication of any immediate medical attention and special treatment needed:
No data available.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media: (Use method suitable for surrounding media.)
Use water spray, alcohol-resistant foam, dry chemical, carbon dioxide or sand.

5.2 Special hazards arising from the substance or mixture: Potassium oxides
Fire Hazard: Not flammable.
Explosion Hazard: Not available.
Reactivity: Reacts with some metals. Thermal decomposition generates corrosive vapors.

5.3 Advice for firefighters:
Use protective clothing and NIOSH-approved breathing equipment for firefighting if necessary. In case of fire, stop leak if safe to do so. Avoid fire-fighting water to enter environment.

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. Ensure adequate
ventilation.

6.2 Environmental precautions:
Do not let product enter drains, waterways or storm drains. Discharge into the
environment should be avoided.

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. May be
corrosive to metals. Use corrosion proof equipment. Keep substance away from strong
acids, metals or metal powders.

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, Purple color  
b) **Odor:** Mild odor  
c) **Odor Threshold:** Not determined.  
d) **pH:** 12.5  
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:** As water  
i) **Flammability (solid, gas):** No data available  
j) **Upper/lower flammability or explosive limits:** No data available  
k) **Vapor pressure:** As water  
l) **Vapor density:** As water  
m) **Relative density:** 1.090 g/cm³ at 25 °C (77 °F)  

9.2 **Water solubility:** Complete  

9.3 **Auto-ignition temperature:** No data available  

9.4 **Decomposition temperature:** No data available  

9.5 **Viscosity:** No data available  

9.6 **Explosive properties:** No data available  

9.7 **Oxidizing properties:** No data available

### 10. STABILITY AND REACTIVITY

10.1 **Reactivity:** Reacts with some metals.  
10.2 **Chemical stability:** Stable under recommended storage conditions.  
10.3 **Possibility of hazardous reactions:** Reacts with strong oxidizers & strong acids.  
10.4 **Conditions to avoid:** High heat  
10.5 **Incompatible materials:** Metals, strong oxidizers & strong acids.  
10.6 **Hazardous decomposition products:** Potassium oxide. Thermal decomposition generates: corrosive vapors.  
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:** Corrosive. May cause skin burns & eye damage.  
   Inhalation: Avoid breathing vapors. May be harmful if inhaled.  
   Ingestion: Harmful if swallowed.  
   Eyes: Corrosive and may cause damage.  
   Skin: May cause 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.

Empty Container Precautions: Empty containers must be handled with care due to product residue. Decontaminate containers prior to disposal. Empty decontaminated containers can 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: III

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 contain chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium Hydroxide</td>
<td>1310-58-3</td>
</tr>
</tbody>
</table>

SARA 311/312 Hazard Categories:

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Yes/No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Health Hazard</td>
<td>Yes</td>
</tr>
<tr>
<td>Chronic Health Hazard</td>
<td>Yes</td>
</tr>
<tr>
<td>Fire Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Sudden Release of Pressure Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>No</td>
</tr>
</tbody>
</table>

California Proposition 65: Trisodium NTA (CAS# 18662-53-8), a related product, is known to the State of California to cause cancer, and is reportable under proposition 65 (it is in trace amounts in this formula.)

US State Right-to-Know Regulations:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>PA</th>
<th>MA</th>
<th>NJ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium Hydroxide</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Pentasodium Triphosphate</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

HMIS® Hazard Ratings:

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEALTH</td>
<td>2</td>
</tr>
<tr>
<td>FIRE</td>
<td>0</td>
</tr>
<tr>
<td>REACTIVITY</td>
<td>0</td>
</tr>
<tr>
<td>PERSONAL PROTECTION</td>
<td>B*</td>
</tr>
</tbody>
</table>

4 = EXTREME / 3 = HIGH / 2 = MODERATE / 1 = SLIGHT / 0 = INSIGNIFICANT
*B: 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 the data and information can become incomplete given a special circumstance or condition. The parties using this information or material will be held responsible for determining best practice for the safe handling and use under any circumstance. The
data and information for this material is for use for this specific product only and not to be combined for any other materials. It is the responsibility of the purchaser and user of this particular material to become familiar with all laws and regulations for disposal of containers, safe handling, and end results of the material for there are many laws and regulations related to each individual material.

END OF SDS