1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ADCO Premium Laundry Detergent
OTHER MEANS OF IDENTIFICATION: Not applicable.
GENERAL USE: For professional laundry & wetcleaning use only.
PRODUCT DESCRIPTION: Powdered Laundry Detergent

MANUFACTURER
Adco Professional Products LLC
1706 Ledo Rd.
Albany, GA 31707

Product Information: 800-323-7206 (USA & Canada only)

24 HR. EMERGENCY TELEPHONE NUMBERS
Medical Emergency: 866-303-6947 (USA & Canada only) or 651-632-9272
Transportation Emergency: 800-424-9300 (USA & Canada only) or 703-527-3887

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION OF THE SUBSTANCE OR MIXTURE
Acute toxicity Ingestion Category 4
Skin Corrosion/Irritation: Category 1B
Eye Damage/Irritation: Category 1
Specific Target Organ Toxicity (STOT-SE) Respiratory Irritant Effects: Category 3

GHS LABEL ELEMENTS

Symbol(s):

Signal Word: Danger

Hazard Statements:
H302 – Harmful if swallowed.
H314 – Causes severe skin burns and eye damage.
H335 – May cause respiratory irritation.

Precautionary Statements:
P262 – Do not get in eyes, on skin, or on clothing.
P264 – Wash thoroughly after handling.
P270 – Do not eat, drink or smoke when using this product
P271 – Use only outdoors or in a well-ventilated area.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331+P312 – IF SWALLOWED: Rinse mouth. Do not induce vomiting. Call a poison control center or doctor if you feel unwell.
P303+P361+P353+P310 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.
P304+P340+P310 – IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
P305+P351+P338+P310 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
P363 – Wash contaminated clothing before reuse.
P402+P403+P233 – Store in a dry, well-ventilated place. Keep container tightly closed.
P501 – Dispose of contents/container in accordance with local/regional/national/international regulations.

Other Hazards: Not available.
Unknown Acute Toxicity: Not applicable.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Wt.%</th>
<th>CAS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium metasilicate</td>
<td>&gt; 30</td>
<td>6834-92-0</td>
</tr>
<tr>
<td>Propylene glycol</td>
<td>&lt; 3</td>
<td>57-55-6</td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>&lt; 3</td>
<td>111-76-2</td>
</tr>
<tr>
<td>Methyl sis (2-hydroxyethyl) coco ammonium chloride</td>
<td>&lt; 2</td>
<td>70750-47-9</td>
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</tbody>
</table>

COMMENTS: None.

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire eye surface. Seek immediate medical attention.
SKIN: Wash skin contact area with plenty of soap and water. Seek medical attention if a rash occurs or irritation persists.
INGESTION: Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician. Give several glasses of water.
INHALATION: Remove affected person to fresh air. If not breathing, give artificial respiration and seek immediate medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Severe irritation.
SKIN: Mild to severe irritation depending on duration of contact and sensitivity of skin.
SKIN ABSORPTION: Insufficient data available.
INGESTION: Nausea and vomiting.
INHALATION: Irritation of respiratory tract.
ADDITONAL INFORMATION: After emergency actions, call the emergency medical information number on page 1 or a physician immediately.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Not applicable.
EXTINGUISHING MEDIA: Media applicable to surrounding fire
HAZARDOUS COMBUSTION PRODUCTS: No data available.

FIRE FIGHTING EQUIPMENT: If a fire occurs where this product is stored, self-contained breathing apparatus should be employed.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: The spilled chemical should be absorbed with an inert material. Flush cleaned area thoroughly with water.

LARGE SPILL: Contain spill. The spilled chemical should be absorbed with an inert material, observing precautions in the Exposure Controls / Personal Protection section (see section 8). Place absorbed material in closed containers for disposal (see section 13). All spilled material must be contained and kept out of waterways, sewers and drains. Avoid contamination of ground and surface waters.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Keep out of the reach of children.

HANDLING: Follow all SDS/label precautions even after container is emptied because it may retain product residues.

STORAGE: Store in labeled, tightly sealed containers in a cool, dry well-ventilated area.

ELECTROSTATIC ACCUMULATION HAZARD: Not applicable.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

<table>
<thead>
<tr>
<th>Chemical</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Supplier OEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ppm</td>
<td>ppm</td>
<td>ppm</td>
</tr>
<tr>
<td>Sodium metasilicate</td>
<td>TWA</td>
<td>NE[1]</td>
<td>NE</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Propylene glycol</td>
<td>TWA</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>TWA</td>
<td>50</td>
<td>240</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Methyl bis (2-hydroxyethyl) coco ammonium chloride</td>
<td>TWA</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>NE</td>
<td>NE</td>
</tr>
</tbody>
</table>

TABLE FOOTNOTES:
1. NE=Not established.

ENGINEERING CONTROLS: Good general ventilation should be sufficient to control airborne levels.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses and chemical splash goggles

SKIN: Neoprene, nitrile or Barrier™ gloves.

RESPIRATORY: None required when properly ventilated. Dust respirator may be desirable.

PROTECTIVE CLOTHING: Where contact is likely, wear the appropriate chemical resistant
equipment, which depending on circumstances may include chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

**WORK HYGIENIC PRACTICES:** Wash thoroughly after handling. Do not eat or drink in work area. **OTHER USE PRECAUTIONS:** Have eye wash station available. Do not wear contact lenses without eye protection.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Powder.
**PHYSICAL STATE:** Solid
**COLOR:** White.
**ODOR:** Mild.
**ODOR THRESHOLD:** No data available.
**pH:** No data available.
**FREEZING POINT:** No data available.
**INITIAL BOILING POINT:** Not applicable.
**FLASHPOINT:** Not applicable.
**EVAPORATION RATE:** Not applicable.
**FLAMMABILITY (Solid, Gas):** Non-flammable.
**FLAMMABLE LIMITS:** Not applicable.
**VAPOR PRESSURE:** No data available.
**VAPOR DENSITY:** No data available.
**RELATIVE DENSITY:** No data available.
**SOLUBILITY IN WATER:** Soluble.
**PARTITION COEFFICIENT (Log $K_{ow}$):** No data available.
**AUTOIGNITION TEMPERATURE:** Not applicable.
**DECOMPOSITION TEMPERATURE:** No data available.
**VISCOSITY:** Not applicable.
**PERCENT VOLATILE:** No data available.

### 10. STABILITY AND REACTIVITY

**REACTIVITY:** No.
**CHEMICAL STABILITY:** Stable.
**POSSIBILITY OF HAZARDOUS REACTIONS:** Polymerization will not occur.
**CONDITIONS TO AVOID:** Moisture may cause clumps and caking together of the powder
**INCOMPATIBLE MATERIALS:** Strong acids.
**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

### 11. TOXICOLOGICAL INFORMATION

**ROUTES OF ENTRY:** Inhalation and skin.
**ACUTE TOXICITY (ATE)**
- **DERMAL LD$_{50}$:** > 2,000 mg/kg
- **ORAL LD$_{50}$:** 1,361 mg/kg (rat)
- **INHALATION LC$_{50}$:** Insufficient data available.
**CHRONIC TOXICITY**
- **TARGET ORGANS:** Insufficient data available.
SENSITIZATION: Insufficient data available.

CARCINOGENICITY
- **IARC:** 2-Butoxyethanol is classified as Group 3 (not classifiable as a human carcinogen).
- **NTP:** Not listed as a carcinogen.
- **OSHA:** Not listed as a carcinogen.
- **OTHER:** No data available.

**OTHER:** No data available.

REPRODUCTIVE EFFECTS: Insufficient data available.

MUTAGENICITY: Insufficient data available.

SYNERGISTIC MATERIALS: None known.

POTENTIAL HEALTH EFFECTS
- **EYES:** Causes eye damage.
- **SKIN:** Insufficient data available.
- **SKIN ABSORPTION:** Insufficient data available.
- **INGESTION:** Corrosive to the mucous membranes of the mouth, throat, esophagus, and stomach.
- **ASPIRATION HAZARD:** No.
- **INHALATION:** Insufficient data available.
- **MEDICAL CONDITIONS AGGRAVATED:** Insufficient data available.

ADDITIONAL INFORMATION: None.

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12. ECOLOGICAL INFORMATION

- **ECOTOXICITY:** Insufficient data available.
- **PERSISTENCE AND DEGRADABILITY:** Insufficient data available.
- **BIOACCUMULATIVE POTENTIAL:** Insufficient data available.
- **MOBILITY IN SOIL:** Insufficient data available.
- **OTHER ADVERSE EFFECTS:** No data available.

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13. DISPOSAL CONSIDERATIONS

- **DISPOSAL METHOD:** Dispose of in accordance with federal, state and local regulations.
- **EMPTY CONTAINER:** Not applicable.
- **RCRA/EPA WASTE INFORMATION:** Contains no material listed by RCRA as a hazardous waste.

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14. TRANSPORT INFORMATION

- **DOT (DEPARTMENT OF TRANSPORTATION)**
  - **PROPER SHIPPING NAME:** Not regulated.
  - **OTHER SHIPPING INFORMATION:** Not applicable.
- **CANADA TRANSPORT OF DANGEROUS GOODS**
  - **PROPER SHIPPING NAME:** Not regulated.
  - **OTHER SHIPPING INFORMATION:** Not applicable.
- **AIR (ICAO/IATA)**
  - **PROPER SHIPPING NAME:** Not regulated.
15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)
311/312 HAZARD CATEGORIES:
FIRE: No. PRESSURE GENERATING: No. REACTIVITY: No. ACUTE: Yes.
CHRONIC: No.
313 REPORTABLE INGREDIENTS: Not applicable.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)
CERCLA RQ: None.
REPORTABLE SPILL QUANTITY: Not applicable
RCRA STATUS: See section 13.

MEXICO
Not regulated for transport.

STATE REGULATIONS

MASSACHUSETTS
Contains no substances regulated by the Massachusetts Substance List.

CALIFORNIA
PROPOSITION 65 STATEMENT: This product contains no ingredients known to the state of California to cause cancer, birth defects, or other reproductive harm.

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>HMIS RATINGS</th>
<th>NFPA RATINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEALTH:</td>
<td>1</td>
</tr>
<tr>
<td>FLAMMABILITY:</td>
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<tr>
<td>REACTIVITY:</td>
<td>0</td>
</tr>
<tr>
<td>PERSONAL PROTECTION:</td>
<td>B</td>
</tr>
</tbody>
</table>

SDS Revision Date: February 5, 2016