SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Formula Z

OTHER MEANS OF IDENTIFICATION: Not applicable.

GENERAL USE: For professional laundry use only.

PRODUCT DESCRIPTION: Laundry Detergent Booster

MANUFACTURER
Adco Products, LLC
1909 W. Oakridge
Albany, GA 31707

Product Information: 800-821-7556

24 HR. EMERGENCY TELEPHONE NUMBERS

Medical Emergency: 800-255-3924 (USA) or +01-813-248-0585 (International)

Transportation Emergency: 800-424-9300 (USA & Canada only) or 703-527-3887

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Eye Damage/Irritation: Category 2

GHS LABEL ELEMENTS

Symbol(s):

Signal Word: Warning

Hazard Statements:

H319 – Causes serious eye irritation.

Precautionary Statements:

P264 – Wash skin thoroughly after handling.
P280 – Wear eye protection, protective gloves.
P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 – If eye irritation persists: Get medical advice/attention.
P501 – Dispose of contents/container in accordance with local/regional/national/international regulations.

Other Hazards: Not available.

Unknown Acute Toxicity: 100% of the mixture consists of ingredient(s) of unknown acute toxicity.

3. COMPOSITION / INFORMATION ON INGREDIENTS

The specific identities of one or more components of this product are withheld as a trade secret.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Wt.%</th>
<th>CAS#</th>
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</thead>
<tbody>
<tr>
<td>Proprietary blend</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

COMMENTS: None.
4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

**SKIN:** Remove contaminated clothing. Wash with soap and water. Consult a physician if irritation persists.

**INGESTION:** Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

**INHALATION:** Remove affected person to fresh air. If not breathing, give artificial respiration. Get medical attention.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**EYES:** Moderate to severe irritation.

**SKIN:** Irritation, dryness.

**SKIN ABSORPTION:** No data available.

**INGESTION:** Diarrhea, nausea, vomiting.

**INHALATION:** Chest discomfort, cough.

**ADDITIONAL 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:** Not applicable.

**HAZARDOUS COMBUSTION PRODUCTS:** No data available.

**FIRE FIGHTING EQUIPMENT:** Not applicable.

6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Clean up spill with absorbent material and water, if necessary.

**LARGE SPILL:** Contain spill. Clean up spills immediately with absorbent material, observing precautions in the Exposure Controls/Protection section (see section 8). Place absorbed material in closed containers for disposal (see section 13).

7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Not applicable.

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

**STORAGE:** Store in labeled, tightly sealed containers.

**ELECTROSTATIC ACCUMULATION HAZARD:** Not applicable.
8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

<table>
<thead>
<tr>
<th>Proprietary blend</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Supplier OEL</th>
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<tbody>
<tr>
<td></td>
<td>ppm</td>
<td>ppm</td>
<td>mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>NE</td>
<td>NE</td>
</tr>
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</table>

**TABLE FOOTNOTES:**

1. NE = Not established.

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

PERSONAL PROTECTIVE EQUIPMENT

- **EYES AND FACE:** Safety glasses with side shields, or goggles.
- **SKIN:** Rubber or Barrier™ gloves.
- **RESPIRATORY:** None required under ordinary conditions
- **PROTECTIVE CLOTHING:** Where contact is likely, wear the appropriate chemical resistant equipment, which depending on circumstances may include gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

WORK HYGIENIC PRACTICES: Wash thoroughly after handling. Do not smoke in presence of vapor. 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:** Clear.
- **PHYSICAL STATE:** Liquid.
- **COLOR:** Amber.
- **ODOR:** Mild.
- **ODOR THRESHOLD:** No data available.
- **pH:** 9.6
- **FREEZING POINT:** No data available.
- **INITIAL BOILING POINT:** 121°C (250°F)
- **FLASHPOINT:** None (TCC)
- **EVAPORATION RATE:** No data available.
- **FLAMMABILITY (Solid, Gas):** Not applicable, this product is a liquid at room temperature.
- **FLAMMABLE LIMITS:** Not applicable.
- **VAPOR PRESSURE:** No data available.
- **VAPOR DENSITY:** No data available.
- **RELATIVE DENSITY:** 1.02
- **SOLUBILITY IN WATER:** Miscible.
- **PARTITION COEFFICIENT (Log K<sub>ow</sub>):** No data available.
10. STABILITY AND REACTIVITY

REACTIVITY: No dangerous reactions known.
CHEMICAL STABILITY: Stable.
POSSIBILITY OF HAZARDOUS REACTIONS: Polymerization will not occur.
CONDITIONS TO AVOID: No data available.
INCOMPATIBLE MATERIALS: Strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Burning may produce carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY: Inhalation and skin.
ACUTE TOXICITY (ATE)
  DERMAL LD$_{50}$: No data available.
  ORAL LD$_{50}$: No data available.
  INHALATION LC$_{50}$: No data available.
CHRONIC TOXICITY
  TARGET ORGANS: No data available.
SENSITIZATION: No data available.
CARCINOGENICITY:
  IARC: Not listed as a carcinogen.
  NTP: Not listed as a carcinogen.
  OSHA: Not listed as a carcinogen.
  OTHER: No data available.
OTHER: No data available.
REPRODUCTIVE EFFECTS: No data available.
MUTAGENICITY: No data available.
SYNERGISTIC MATERIALS: No data available.

POTENTIAL HEALTH EFFECTS
  EYES: No data available.
  SKIN: No data available.
  SKIN ABSORPTION: Will not occur.
  INGESTION: No data available.
  ASPIRATION HAZARD: No data available.
  INHALATION: No data available.
MEDICAL CONDITIONS AGGRAVATED: No data available.
12. ECOLOGICAL INFORMATION
   ECOTOXICITY: No data available.
   PERSISTENCE AND DEGRADABILITY: No data available.
   BIOACCUMULATIVE POTENTIAL: No data available.
   MOBILITY IN SOIL: Insufficient data available.
   OTHER ADVERSE EFFECTS: No data available.

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.

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: None.
     CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)
       CERCLA RQ: Not applicable.
       REPORTABLE SPILL QUANTITY: Not applicable.
       RCRA STATUS: See section 13.
   MEXICO
     Not regulated for transportation.
   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>
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<tr>
<th>HMIS RATINGS</th>
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<tr>
<td>PERSONAL PROTECTION:</td>
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SDS Revision Date: December 11, 2015