SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Flex
GENERAL USE: For professional laundry use only.
PRODUCT DESCRIPTION: Laundry Detergent

MANUFACTURER
Adco Professional Products LLC
1706 Ledo Rd.
Albany, GA 31707
Product Information: 800-821-7556 (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
Skin Corrosion/Irritation: Category 2
Eye Damage/Irritation: Category 1
Carcinogenicity: Category 2

GHS LABEL ELEMENTS

Symbol(s):

Signal Word: Danger

Hazard Statements:
H315 – Causes skin irritation.
H318 – Causes serious eye damage.
H351 – Suspected of causing cancer.

Precautionary Statements:
P201 – Obtain special instructions before use.
P202 – Do not handle until all safety precautions have been read and understood.
P264 – Wash hands thoroughly after handling.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 – IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338+P310 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor/physician if you feel unwell.
P308+P313 – If exposed or concerned: Get medical advice/attention.
P332+P313 – IF SKINN irritation occurs: Get medical advice/attention.
P362+P364 – Take off contaminated clothing and wash before reuse.
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  
The specific identities of one or more components of this product are withheld as a trade secret.

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<tr>
<td>Diethanolamine</td>
<td>&lt; 3</td>
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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: Pain, irritation, stinging, watering, redness, swelling, blurred vision.  
SKIN: Redness, irritation, pain, dryness, blistering.  
SKIN ABSORPTION: No data available.  
INGESTION: May cause nausea, vomiting, diarrhea, stomach and abdominal pain, labored breathing, cough, dizziness, drowsiness, sore throat.  
INHALATION: May cause irritation to respiratory tract, cough, dizziness, drowsiness, headache, lightheadedness, sore throat, abdominal pain, labored breathing, nausea, vomiting.  
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: Carbon dioxide, carbon monoxide, oxides of nitrogen, oxides of sulfur.  
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. Avoid breathing vapor. Clean up spills immediately with absorbent material, observing precautions in the Exposure Controls/Personal Protection section (see section 8). Place absorbed material in closed containers for disposal (see section 13). Do not flush to sewer. Avoid contamination of ground and surface waters.

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)**

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<tr>
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   **TABLE FOOTNOTES**
   1. NE=Not established.
   3. Skin notation.
4. A3: Confirmed animal carcinogen with unknown relevance to humans.
   The specific identities of one or more components of this product are withheld as a trade secret.

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: Nitrile or Barrier™ gloves.
RESPIRATORY: None required under normal 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 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: Pale yellow.

ODOR: Bland.

ODOR THRESHOLD: No data available.

pH: 8.5-9.0

FREEZING POINT: No data available.

INITIAL BOILING POINT: 99°C (210°F)

FLASHPOINT: >110°C (230°F) (PM).

EVAPORATION RATE: No data available.

FLAMMABILITY (Solid, Gas): Not applicable, this product is a liquid at room temperature.

FLAMMABLE LIMITS: No data available.

VAPOR PRESSURE: No data available.

VAPOR DENSITY: No data available.

RELATIVE DENSITY: 1.027

SOLUBILITY IN WATER: Miscible.

PARTITION COEFFICIENT (Log K<sub>ow</sub>): No data available.

AUTOIGNITION TEMPERATURE: Not available.

DECOMPOSITION TEMPERATURE: Not available.

VISCOSITY: No data available.

PERCENT VOLATILE: ~53

10. STABILITY AND REACTIVITY

REACTIVITY: No

CHEMICAL STABILITY: Stable.

POSSIBILITY OF HAZARDOUS REACTIONS: Polymerization will not occur.

CONDITIONS TO AVOID: None known.

INCOMPATIBLE MATERIALS: Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Burning produces toxic vapors, irritating fumes.
11. TOXICOLOGICAL INFORMATION

**ROUTES OF ENTRY:** Skin, eyes, inhalation.

**ACUTE TOXICITY (ATE)**
- **DERMAL LD$_{50}$:** Insufficient data available.
- **ORAL LD$_{50}$:** > 2,000 mg/kg (rat)
- **INHALATION LC$_{50}$:** Insufficient data available.

**CHRONIC TOXICITY**
- **TARGET ORGANS:** May cause central nervous system effects.
- **SENSITIZATION:** Insufficient data available.
- **CARCINOGENICITY:**
  - **IARC:** Two components of this product are classified separately as Group 2B (Possibly carcinogenic to humans) and Group 3 (Not classifiable).
  - **NTP:** Not listed as a carcinogen.
  - **OSHA:** Not listed as a carcinogen.
  - **OTHER:** ACGIH: See section 8.
- **OTHER:** No data available.

**REPRODUCTIVE EFFECTS:** Insufficient data available.

**MUTAGENICITY:** Insufficient data available.

**SYNERGISTIC MATERIALS:** None known.

**POTENTIAL HEALTH EFFECTS**
- **EYES:** Serious eye damage.
- **SKIN:** Prolonged or repeated contact may cause dermatitis.
- **SKIN ABSORPTION:** Insufficient data available.
- **INGESTION:** May cause burns to mouth, throat and stomach.
- **ASPIRATION HAZARD:** Insufficient data available.
- **INHALATION:** Prolonged inhalation may be harmful.
- **MEDICAL CONDITIONS AGGRAVATED:** No data available.

12. ECOLOGICAL INFORMATION

**ECOTOXICITY:** Components of this product have moderate aquatic toxicity.

**PERSISTENCE AND DEGRADABILITY:** Insufficient data available.

**BIOACCUMULATIVE POTENTIAL:** Insufficient 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

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### 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**: Not applicable.
- **REPORTABLE SPILL QUANTITY**: Not available.
- **RCRA STATUS**: See section 13.

**MEXICO**
Not regulated for transportation.

#### STATE REGULATIONS

**MASSACHUSETTS**
Contains one or more substances regulated by the Massachusetts Substance List.

**CALIFORNIA**
**PROPOSITION 65 STATEMENT**: This product contains a small amount of diethanolamine, which is on the Proposition 65 list of chemicals known to the State of California to cause cancer.

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### 16. OTHER INFORMATION

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<th><strong>NFPA RATINGS</strong></th>
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**SDS Revision Date**: November 9, 2015