

# SAFETY DATA SHEET

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## 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

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## 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 SKIN 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.

<b>Chemical Name</b>	<b>Wt.%</b>	<b>CAS#</b>
Trade Secret #1	-	-
Trade Secret #2	-	-
Trade Secret #3	-	-
Trade Secret #4	-	-
Trade Secret #5	-	-
Diethanolamine	< 3	111-42-2

**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.

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## 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.

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## 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.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES:

#### OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

		<u>EXPOSURE LIMITS</u>					
		<u>OSHA PEL</u>		<u>ACGIH TLV</u>		<u>Supplier OEL</u>	
		<u>ppm</u>	<u>mg/m<sup>3</sup></u>	<u>ppm</u>	<u>mg/m<sup>3</sup></u>	<u>ppm</u>	<u>mg/m<sup>3</sup></u>
Trade Secret #1	<b>TWA</b>	NE <sup>[1]</sup>		NE			
	<b>STEL</b>	NE		NE			
Trade Secret #2	<b>TWA</b>	NE		NE			
	<b>STEL</b>	NE		NE			
Trade Secret #3	<b>TWA</b>	NE		NE			
	<b>STEL</b>	NE		NE			
Trade Secret #4	<b>TWA</b>	NE		NE			
	<b>STEL</b>	NE		NE			
Trade Secret #5	<b>TWA</b>			200 <sup>[2]</sup>			
	<b>STEL</b>	NE		400			
Diethanolamine	<b>TWA</b>		NE		1 <sup>[3][4]</sup>		
	<b>STEL</b>		NE		NE		

### TABLE FOOTNOTES

1. NE=Not established.
2. A4: Not classifiable as a human carcinogen.
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.

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## 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:** No data available.

**VISCOSITY:** No data available.

**PERCENT VOLATILE:** ~53

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## 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.

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**11. TOXICOLOGICAL INFORMATION**

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

**ACUTE TOXICITY (ATE)**

**DERMAL LD<sub>50</sub>:** Insufficient data available.

**ORAL LD<sub>50</sub>:** > 2,000 mg/kg (rat)

**INHALATION LC<sub>50</sub>:** 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.

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**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.

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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:** 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.

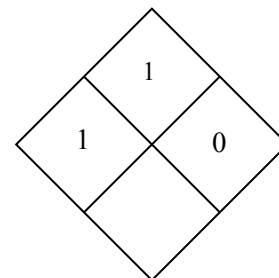
#### CALIFORNIA

**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.

## 16. OTHER INFORMATION

HMIS RATINGS	
HEALTH:	1
FLAMMABILITY:	1
REACTIVITY:	0
PERSONAL PROTECTION:	B

### NFPA RATINGS



**SDS Revision Date:** November 9, 2015