

# SAFETY DATA SHEET

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Liquid Laundry Detergent

**OTHER MEANS OF IDENTIFICATION:** Not applicable.

**GENERAL USE:** For professional laundry and wetcleaning 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

Acute Toxicity, Oral: Category 4

Eye Damage/Irritation: Category 1

Skin Corrosion/Irritation: Category 3

Carcinogenicity: Category 2

### GHS LABEL ELEMENTS

**Symbol(s):**



**Signal Word:** Danger

### Hazard Statements:

H302 – Harmful if swallowed.

H315 – Causes skin irritation.

H318 – Causes serious eye damage.

H351 – Suspected of causing cancer.

### Precautionary Statements:

P264 – Wash thoroughly after handling.

P270 – Do not eat, drink or smoke when using this product.

P280 – Wear protective gloves and eye protection.

P301+P312+P330 – IF SWALLOWED: Call a POISON CENTER or doctor physician. Rinse mouth.

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 present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

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:** 49% of the ingredients in this product have unknown acute toxicity.

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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

<u>Chemical Name</u>	<u>Wt. %</u>	<u>CAS#</u>
Trade Secret #1	-	-
Trade Secret #2	-	-
Diethanolamine	3-7	111-42-2

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### 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 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, tearing, redness.

**SKIN:** Irritation, pain, redness, and blistering.

**SKIN ABSORPTION:** No data available.

**INGESTION:** Gastrointestinal irritation, pain, nausea, and diarrhea.

**INHALATION:** Respiratory tract irritation.

**ADDITIONAL INFORMATION:** After emergency actions, call the emergency medical information number on page 1 or a physician immediately.

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### 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** Not applicable.

**EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical, foam, water spray or fog.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon dioxide, carbon monoxide, oxides of sulfur, hydrogen sulfide, oxides of nitrogen.

**FIRE FIGHTING EQUIPMENT:** As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

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### 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 / Personal Protection section (see section 8). Place absorbed material in closed containers for disposal (see section 13).

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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.

## 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			
Diethanolamine	<b>TWA</b>	NE			1 <sup>[2][3]</sup>		
	<b>STEL</b>	NE			NE		

#### TABLE FOOTNOTES:

1. NE=Not established.
2. A3=Confirmed animal carcinogen with unknown relevance to humans.
3. Skin notation.

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

**ENGINEERING CONTROLS:** Not applicable.

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Safety glasses with side shields, or goggles.

**SKIN:** Nitrile or Barrier™ gloves.

**RESPIRATORY:** None required under ordinary conditions.

**PROTECTIVE CLOTHING:** Where contact is likely, wear 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:** Light yellow.

**ODOR:** Lemon- citrus.

**ODOR THRESHOLD:** No data available.

**pH:** 8-9

**FREEZING POINT:** No data available.

**INITIAL BOILING POINT:** >149°C (300°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:** Not available.

**VAPOR PRESSURE:** No data available.

**VAPOR DENSITY:** No data available.

**RELATIVE DENSITY:** 1.051

**SOLUBILITY IN WATER:** Miscible.

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

**AUTOIGNITION TEMPERATURE:** Not available.

**DECOMPOSITION TEMPERATURE:** No data available.

**VISCOSITY:** 241 sec, Zahn #2

**PERCENT VOLATILE:** ~35

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## 10. STABILITY AND REACTIVITY

**REACTIVITY:** No.

**CHEMICAL STABILITY:** Stable.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Polymerization will not occur.

**CONDITIONS TO AVOID:** High heat.

**INCOMPATIBLE MATERIALS:** Strong oxidizers.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Burning produces toxic, irritating fumes.

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## 11. TOXICOLOGICAL INFORMATION

**ROUTES OF EXPOSURE:** Skin.

### ACUTE TOXICITY (ATE)

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

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

**INHALATION LC<sub>50</sub>:** Insufficient data available.

### CHRONIC TOXICITY

**TARGET ORGANS:** No data available.

**SENSITIZATION:** Insufficient data available.

### CARCINOGENICITY

**IARC:** A component of this product is classified as Group 2B (Possibly carcinogenic to humans).

**NTP:** Not listed as a carcinogen.

**OSHA:** Not listed as a carcinogen.

**OTHER:** ACGIH: A3. A component of this product is a confirmed animal carcinogen with unknown relevance to humans.

**OTHER:** No data available.

**REPRODUCTIVE EFFECTS:** Insufficient data available.

**MUTAGENICITY:** Insufficient data available.

**SYNERGISTIC MATERIALS:** No data available.

### POTENTIAL HEALTH EFFECTS

**EYES:** Causes serious eye damage.

**SKIN:** Insufficient data available.

**SKIN ABSORPTION:** Insufficient data available.

**INGESTION:** Harmful if swallowed. May cause burns to mouth, throat and stomach.

**ASPIRATION HAZARD:** No.

**INHALATION:** Not a route of exposure under normal conditions.

**MEDICAL CONDITIONS AGGRAVATED:** No data available.

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## 12. ECOLOGICAL INFORMATION

**ECOTOXICITY:** A component of this product has moderate aquatic toxicity.

**PERSISTENCE AND DEGRADABILITY:** No data available.

**BIOACCUMULATIVE POTENTIAL:** No data available.

**MOBILITY IN SOIL:** No 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:** Do not cut or weld empty drums.

**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.

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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:** Yes.

**313 REPORTABLE INGREDIENTS:** Not applicable.

#### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

**CERCLA RQ:** Not applicable.

**REPORTABLE SPILL QUANTITY:** Not applicable.

**RCRA STATUS:** See section 13.

### MEXICO

Not applicable.

### STATE REGULATIONS

**MASSACHUSETTS**

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

**CALIFORNIA**

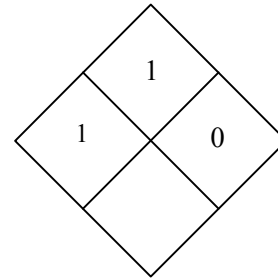
PROPOSITION 65 STATEMENT: This product contains a small amount of diethanolamine, which is known to the state of California to cause cancer.

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**16. OTHER INFORMATION**

<b>HMIS RATINGS</b>	
HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	B

**NFPA RATINGS**



**SDS Revision Date:** August 6, 2015