SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Laidlaw Collar Solution
GENERAL USE: For professional laundry use only.
PRODUCT DESCRIPTION: Collar and Cuff Pre-spotter

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
Skin corrosion/Irritation: Category 2
Serious Eye Damage/Irritation: Category 1
Specific Target Organ Toxicity (STOT-SE) Respiratory Tract Irritation: Category 3

GHS LABEL ELEMENTS

Symbol(s):

Signal Word: Danger

Hazard Statements:

H315 – Causes skin irritation.
H318 – Causes serious eye damage.
H335 – May cause respiratory irritation.

Precautionary Statements:

P261 – Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P264 – Wash skin thoroughly after handling.
P280 – Wear protective gloves/protective clothing/eye protection/ face protection.
P271 – Use only outdoors or in a well-ventilated area.
P302+P352 – IF ON SKIN: wash with plenty of soap and water.
P304+P340+P312 – IF INHALED: Remove person to fresh air and keep at rest in a comfortable position for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
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.
P332+P313 – IF ON SKIN: Get medical advice/attention.
P362+P364 – Take off contaminated clothing and wash before reuse.
P403+P233 – Store in a 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

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

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<thead>
<tr>
<th>Chemical Name</th>
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<th>CAS</th>
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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: Severe discomfort and irritation.

SKIN: Redness, irritation. Prolonged or repeated contact can result in drying of skin and dermatitis.

SKIN ABSORPTION: Direct contact may cause skin irritation.

INGESTION: May be harmful if swallowed and cause burns to mouth, throat, and lungs.

INHALATION: May cause irritation to respiratory tract.

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: Carbon dioxide, dry chemical, foam, water spray or fog.
   HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide, 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).

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)

   | EXPOSURE LIMITS |
   |-----------------|-----------------|-----------------|
   |                | OSHA PEL        | ACGIH TLV       | Supplier OEL |
   |                | ppm  | mg/m³ | ppm  | mg/m³ | ppm  | mg/m³ |
   | (Trade Secret #1) | TWA   | NE[1] | NE   | NE    | NE   | NE    |
   | (Trade Secret #2) | TWA   | NE    | NE   | NE    | NE   | NE    |
   | (Trade Secret #3) | TWA   | NE    | NE   | NE    | NE   | NE    |
   | (Trade Secret #4) | TWA   | NE    | NE   | NE    | NE   | NE    |
   | (Trade Secret #5) | TWA   | NE    | NE   | NE    | NE   | NE    |
   | (Trade Secret #6) | TWA   | NE    | NE   | NE    | NE   | NE    |
TABLE FOOTNOTES:
1. NE=Not established.

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: Neoprene 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: Slight yellow.
ODOR: Citrus/slight ammonia.
ODOR THRESHOLD: No data available.
pH: 9.0-9.5
FREEZING POINT: <0°C (32°F)
INITIAL BOILING POINT: 100°C (212°F)
FLASHPOINT: >230 (TCC).
EVAPORATION RATE: No data available.
FLAMMABILITY (Solid, Gas): Not applicable, this product is a liquid at room temperature.
FLAMMABLE LIMITS: 28% ammonia (upper), 15% ammonia (lower).
VAPOR PRESSURE: No data available.
VAPOR DENSITY: Lighter then air.
RELATIVE DENSITY: 1.003
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: No data available.
10. STABILITY AND REACTIVITY

**REACTIVITY:** No

**CHEMICAL STABILITY:** Stable.

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

**CONDITIONS TO AVOID:** Heat, sunlight, incompatibles, sources of ignition.

**INCOMPATIBLE MATERIALS:** Heavy metals, acids, halogens, copper, salts, and aluminum.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Ammonia on heating, carbon dioxide, carbon monoxide.

11. TOXICOLOGICAL INFORMATION

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

**ACUTE TOXICITY (ATE)**

- **DERMAL LD₅₀:** Insufficient data available.
- **ORAL LD₅₀:** Insufficient data available.
- **INHALATION LC₅₀:** Insufficient data available.

**CHRONIC**

**TARGET ORGANS:** A component of this product has caused hemolysis of blood in rats; not considered relevant to humans. Components of this product caused liver and kidney effects in lab animals; the relevance to humans is unknown. May cause effects to skin and respiratory system.

**SENSITIZATION:** Insufficient data available.

**CARCINOGENICITY:**

- **IARC:** A component of this product is listed as a possible carcinogen.
- **NTP:** Not listed as a carcinogen.
- **OSHA:** Not listed as a carcinogen.
- **OTHER:** No data available.

**OTHER:** No data available.

**REPRODUCTIVE EFFECTS:** A component of this product showed reduced fertility at maternally toxic levels.

**MUTAGENICITY:** Non mutagenic.

**SYNERGISTIC MATERIALS:** None known.

**POTENTIAL HEALTH EFFECTS**

- **EYES:** Causes serious eye damage. Corrosive.
- **SKIN:** Causes skin irritation.
- **SKIN ABSORPTION:** Insufficient data available.
- **INGESTION:** Harmful if swallowed. May cause burns to mouth, throat, and stomach.
- **ASPIRATION HAZARD:** Insufficient data available.
- **INHALATION:** Insufficient data available.

**MEDICAL CONDITIONS AGGRAVATED:**

12. ECOLOGICAL INFORMATION

**ECOTOXICITY:** Components of this product are considered moderately toxic.

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

**BIOACCUMULATIVE POTENTIAL:** No data available.

**MOBILITY IN SOIL:** 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 applicable.

**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.

**OTHER ADVERSE EFFECTS:** No data available.
16. OTHER INFORMATION

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SDS Revision Date: September 14, 2015