SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AE-47
OTHER MEANS OF IDENTIFICATION: Not applicable.
GENERAL USE: For professional laundry and wet cleaning use only.
PRODUCT DESCRIPTION: Water Soluble Sizing

MANUFACTURER
Adco Professional Products LLC
1706 Ledo Rd.
Albany, GA 31707

Product Information: 800-821-7556 (USA & Canada only)

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION OF THE SUBSTANCE OR MIXTURE
Specific Target Organ Toxicity (STOT-SE): Category 2
Specific Target Organ Toxicity (STOT-RE): Category 2

GHS LABEL ELEMENTS

Symbol(s):

Signal Word: Danger

Hazard Statements:
H371 – May cause damage to organs.
H373 – May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements:
P264 – Wash thoroughly after handling.
P270 – Do not eat, drink or smoke when using this product.
P308+P311 – IF exposed or concerned: Call a POISON CENTER or doctor.
P332+P313 – IF SKIN irritation occurs: Get medical advice/attention.
P363 – Wash contaminated clothing before reuse.
P501 – Dispose of contents/container in accordance with local/regional/national/international regulations.

Other Hazards: Not available.
Unknown Acute Toxicity: Not applicable.

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
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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<tbody>
<tr>
<td>Trade Secret #1</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 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:** Irritation.
- **SKIN:** No data available.
- **SKIN ABSORPTION:** No data available.
- **INGESTION:** May irritate the mouth, throat and stomach.
- **INHALATION:** May irritate 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:** Not applicable.
- **HAZARDOUS COMBUSTION PRODUCTS:** Not applicable.
- **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/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. Prevent from freezing.
- **ELECTROSTATIC ACCUMULATION HAZARD:** Not applicable.
8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:
OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

EXPOSURE LIMITS

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<tr>
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<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Supplier OEL</th>
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<tr>
<td></td>
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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: Not applicable.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses with side shields, or goggles.
SKIN: Rubber or Barrier™ gloves.
RESPIRATORY: Not applicable.
PROTECTIVE CLOTHING: Not applicable.

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: Milky.
PHYSICAL STATE: Liquid.
COLOR: White.
ODOR: Bland.
ODOR THRESHOLD: No data available.
pH: 6-7
FREEZING POINT: <0°C (32°F)
INITIAL BOILING POINT: 100°C (212°F)
FLASHPOINT: Not applicable.
EVAPORATION RATE: 0.3 (butyl acetate = 1)
FLAMMABILITY (Solid, Gas): Not applicable, this product is a liquid at room temperature.
FLAMMABLE LIMITS: Not applicable.
VAPOR PRESSURE: 17 mm Hg at 20°C
VAPOR DENSITY: ~0.6 (air=1)
RELATIVE DENSITY: 1.1
SOLUBILITY IN WATER: Dispersible.
PARTITION COEFFICIENT (Log Kow): No data available.
AUTOIGNITION TEMPERATURE: No data available.
DECOMPOSITION TEMPERATURE: No data available.
VISCOSITY: 18 sec, Zahn #2
PERCENT VOLATILE: ~70
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: Not applicable.

11. TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE: Skin.

ACUTE TOXICITY (ATE)

DERMAL LD_{50}: Insufficient data available.

ORAL LD_{50}: > 2,000 mg/kg (rat)

INHALATION LD_{50}: Insufficient data available.

CHRONIC TOXICITY

TARGET ORGANS: Chronic overexposure to a minor component of this product may cause injury to liver and kidneys.

SENSITIZATION: Ingestion may cause sensitization.

CARCINOGENICITY

IARC: Not listed as a carcinogen.

NTP: Not listed as a carcinogen.

OSHA: Not listed as a carcinogen.

OTHER: ACGIH: A minor component of this product is classified as A4 (Not classifiable as a human carcinogen).

OTHER: No data available.

REPRODUCTIVE EFFECTS: No data available.

MUTAGENICITY: Not mutagenic.

SYNERGISTIC MATERIALS: No data available.

POTENTIAL HEALTH EFFECTS

EYES: Insufficient data available.

SKIN: Insufficient data available.

SKIN ABSORPTION: No data available.

INGESTION: Low toxicity.

ASPIRATION HAZARD: No.

INHALATION: Not applicable.

MEDICAL CONDITIONS AGGRAVATED: Significant overexposure to a minor component of this product could adversely affect preexisting diseases of the liver, kidney, skin, central nervous system and respiratory system.

GENERAL COMMENTS: Refer to Section 3 for additional information on potential health effects.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Expected to have very low aquatic

PERSISTENCE AND DEGRADABILITY: All components expected to be readily biodegradable.

BIOACCUMULATIVE POTENTIAL: Not expected to bioaccumulate.

MOBILITY IN SOIL: No 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: Yes.
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 one or more 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

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**SDS Revision Date:** July 14, 2015

**NFPA RATINGS**