SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Blue FlashOTHER MEANS OF IDENTIFICATION: Not applicable.GENERAL USE: For professional drycleaning use only.PRODUCT DESCRIPTION: Stain Removal Agent

MANUFACTURER

24 HR. EMERGENCY TELEPHONE NUMBERS Medical Emergency: 866-303-6947 (USA & Canada

only) or 651-632-9272

Adco Professional Products LLC 1706 Ledo Rd. Albany, GA 31707 **Product Information:** 800-821-7556 (USA & Canada only)

Transportation Emergency: 800-424-9300 (USA & Canada only) **or** 703-527-3887

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Flammable Liquids: Category 3 Skin Corrosion/Irritation: Category 2 Eye Damage/Irritation: Category 1

GHS LABEL ELEMENTS

Symbol(s):



Signal Word: Danger

Hazard Statements:

- H226 Flammable liquid and vapor.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.

Precautionary Statements:

- P210 Keep away from heat/sparks/open flames/hot surfaces No smoking.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P264 Wash skin 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.
- P303+P361+P353 IF ON SKIN (or hair) take off immediately all contaminated clothing. Rinse skin with water/shower.

- 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 CENTR or doctor/physician.
- P332+P313 IF SKIN irritation occurs: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash before reuse.
- P370+P378 In case of fire: Use water fog or fine spray, foam, carbon dioxide extinguishers, or dry chemical extinguishers for extinction.
- P403+P233+P235 Store in a well-ventilated area. Keep container tightly closed. Keep cool.
- 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.

| Chemical Name | <u>Wt.%</u> | CAS# |
|----------------------|-------------|-----------|
| Trade Secret #1 | - | - |
| Trade Secret #2 | - | - |
| Trade Secret #3 | - | - |
| Trade Secret #4 | - | - |
| Terpene hydrocarbons | <5 | 5989-27-5 |

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: Irritation, tearing, redness, pain, swelling.

SKIN: Irritation, redness, pain, drying, cracking.

SKIN: No data available.

INGESTION: Headache, nausea, vomiting.

INHALATION: Respiratory tract irritation.

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

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: NFPA Class II

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

HAZARDOUS COMBUSTION PRODUCTS: Burning may produce toxic, irritating vapors. **FIRE FIGHTING EQUIPMENT:** As in any fire, wear self-contained breathing apparatus pressuredemand, (MSHA/NIOSH approved or equivalent) and full protective gear.

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: Keep away from heat, sparks and flame.

HANDLING: Follow all SDS/label precautions even after container is emptied because it may retain product residues.

STORAGE: Store in labeled, tightly sealed containers in a cool, well-ventilated area.

ELECTROSTATIC ACCUMULATION HAZARD: Ground and bond containers when transferring material.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

EXPOSURE LIMITS

| | | OSHA PEL ACGIH TLV | | Supplier OEL | | |
|----------------------|------|-----------------------------|------------|-------------------|------------|-------------------|
| | | <u>ppm mg/m³</u> | <u>ppm</u> | mg/m ³ | <u>ppm</u> | mg/m ³ |
| Trade Secret #1 | TWA | $NE^{[1]}$ | NE | | | |
| | STEL | NE | NE | | | |
| Trade Secret #2 | TWA | NE | NE | | | |
| | STEL | NE NE | NE | | | |
| Trade Secret #3 | TWA | NE | NE | | | |
| | STEL | NE NE | NE | | | |
| Trade Secret #4 | TWA | NE | NE | | | |
| | STEL | NE | NE | | | |
| Terpene hydrocarbons | TWA | NE | NE | | | |
| | STEL | 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: Nitrile or Barrier TM gloves.

RESPIRATORY: NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

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: None. **ODOR:** Glycol, citrus odor. **ODOR THRESHOLD:** No data available. **pH:** 5.5-7.0 (10% in H₂O) FREEZING POINT: No data available. **INITIAL BOILING POINT:** No data available. FLASHPOINT: 57°C (135°F) (TCC). 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: 0.98 SOLUBILITY IN WATER:** Soluble. **PARTITION COEFFICIENT (Log Kow):** No data available. AUTOIGNITION TEMPERATURE: Not available. **DECOMPOSITION TEMPERATURE:** No data available. VISCOSITY: 17 sec, Zahn #2 **PERCENT VOLATILE:** ~13 (including LVP solvents)

10. STABILITY AND REACTIVITY

REACTIVITY: No CHEMICAL STABLITY: Stable. POSSIBILITY OF HAZARDOUS REACTIONS: Polymerization will not occur. CONDITIONS TO AVOID: High heat. INCOMPATIBLE MATERIALS: Strong oxidizers. HAZARDOUS DECOMPOSITION PRODUCTS: High heat may produce toxic, irritating vapors.

11. TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY: Inhalation, skin.

ACUTE TOXICITY (ATE)

DERMAL LD₅₀: > 2,000 mg/kg (rabbit)

ORAL LD₅₀: > 2,000 mg/kg (rat)

INHALATION LC₅₀: Insufficient data available.

CHRONIC TOXICITY

TARGET ORGANS: Components of this product have caused effects in the liver and kidney in laboratory animals.

SENSITIZATION: Insufficient data available.

CARCINOGENICITY

IARC: Not listed as a carcinogen.

NTP: Not listed as a carcinogen.

OSHA: Not listed as a carcinogen.

OTHER: No data available.

OTHER: No data available.

REPRODUCTIVE EFFECTS: Insufficient data available.

MUTAGENICITY: Insufficient data available.

SYNERGISTIC MATERIALS: None known.

POTENTIAL HEALTH EFFECTS

EYES: Causes serious eye damage.

SKIN: Prolonged or repeated contact may cause dermatitis.

SKIN ABSORPTION: Insufficient data available.

INGESTION: May be harmful if swallowed. In the case of vomiting, product may be aspirated into lungs causing chemical pneumonia, which in extreme cases could lead to death. See section 4, First Aid Measures, for more information.

ASPIRATION HAZARD: There is insufficient data available to classify this product as an aspiration hazard. Follow the precautions under INGESTION.

INHALATION: Insufficient data available.

MEDICAL CONDITIONS AGGRAVATED: Skin or respiratory disease.

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

12. ECOLOGICAL INFORMATION

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

PERSISTENCE AND DEGRADABILITY: All components of this product are readily or inherently biodegradable.

BIOACCUMULATIVE POTENTIAL: Insufficient data available.

MOBILITY IN SOIL: Some components of this product have high mobility.

OTHER ADVERSE EFFECTS: No data available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Incinerate or dispose of in accordance with federal, state, and local regulations. **EMPTY CONTAINER:** Not applicable.

RCRA/EPA WASTE INFORMATION: Contains material(s) that are ignitable wastes as defined by RCRA

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not regulated if shipped by ground.

TECHNICAL NAME: Not applicable.

PRIMARY HAZARD CLASS/DIVISION: Not applicable.

UN/NA NUMBER: Not applicable.

PACKING GROUP: Not applicable.

LABEL: Not applicable.

OTHER SHIPPING INFORMATION: Original product packaging is labeled, marked, and approved for ground shipments only.

CANADA TRANSPORT OF DANGEROUS GOODS

PROPER SHIPPING NAME: Not regulated if shipped by ground.

TECHNICAL NAME: Not applicable.

PRIMARY HAZARD CLASS/DIVISION: Not applicable.

UN/NA NUMBER: Not applicable.

PACKING GROUP: Not applicable.

LABEL: Not applicable.

OTHER SHIPPING INFORMATION: Original product packaging is labeled, marked, and approved for ground shipments only.

AIR (ICAO/IATA)

PROPER SHIPPING NAME: Flammable Liquid, NOS

TECHNICAL NAME: Terpene Hydrocarbon

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: UN1993

PACKING GROUP: III

PLACARDS: Consult applicable regulations governing air shipments.

LABEL: Consult applicable regulations governing air shipments.

IATA NOTE: Original product packaging is not approved for air shipments. Consult applicable regulations for packaging requirements and quantity limitations.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT) 311/312 HAZARD CATEGORIES:

FIRE: Yes. 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 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.

16. OTHER INFORMATION

| HMIS RATINGS | | | | |
|----------------------|---|--|--|--|
| HEALTH: | 1 | | | |
| FLAMMABILITY: | 2 | | | |
| REACTIVITY: | 0 | | | |
| PERSONAL PROTECTION: | В | | | |



SDS Revision Date: December 15, 2015