

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Grand

OTHER MEANS OF IDENTIFICATION: Not applicable.

GENERAL USE: For professional drycleaning only.

PRODUCT DESCRIPTION: Drycleaning 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

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Skin Corrosion/Irritation: Category 2

Eye Damage/Irritation: Category 2

GHS LABEL ELEMENTS

Symbol(s):



Signal Word: Warning

Hazard Statements:

H315 – Causes skin irritation.

H319 – Causes serious eye irritation.

Precautionary Statements:

P264 – Wash hands, forearms, and exposed areas thoroughly after handling.

P280 – Wear eye protection, protective gloves.

P302+P352 – IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 – Specific treatment (see Section 4)

P332+P313 – If skin irritation occurs: Get medical advice/attention.

P337+P313 – If eye irritation persists: Get medical advice/attention.

P362 – 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: 3.4% of the mixture consists of ingredient(s) of unknown acute toxicity.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS</u>
Ethylene glycol monobutyl ether	<20	111-76-2
Trade Secret #2	-	-
Trade Secret #3	-	-
Trade Secret #4	-	-
Trade Secret #5	-	-
Trade Secret #6	-	-

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: Redness, pain, tearing, and stinging.

SKIN: Drying, redness, itching, and inflammation.

SKIN ABSORPTION: Insufficient data available.

INGESTION: May cause nausea, vomiting, diarrhea, and irritation to the gastrointestinal tract. May cause depression when ingested in large amounts.

INHALATION: May cause respiratory 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: Not applicable.

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

HAZARDOUS COMBUSTION PRODUCTS: No data available.

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). Do not flush to sewer. Avoid contamination of ground and surface waters.

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
Ethylene glycol monobutyl ether	TWA	25		NE		
	STEL	NE ^[1]		NE		
Trade Secret #2	TWA	NE		NE		
	STEL	NE		NE		
Trade Secret #3	TWA	NE		NE		
	STEL	NE		NE		
Trade Secret #4	TWA	NE		NE		
	STEL	NE		NE		
Trade Secret #5	TWA	NE		NE		
	STEL	NE		NE		
Trade Secret #6	TWA	NE		NE		
	STEL	NE		NE		

TABLE FOOTNOTES

1. NE = Not Established.

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 ordinary 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: Yellow/orange liquid.

PHYSICAL STATE: Liquid.

COLOR: Yellow/orange.

ODOR: Bland.

ODOR THRESHOLD: No data available.

pH: 6.5-7.5 (20:80 in IPA/H₂O Soln.)

FREEZING POINT: No data available.

INITIAL BOILING POINT: No data available.

FLASHPOINT: > 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.

VAPOUR PRESSURE: No data available.

VAPOR DENSITY: No data available.

RELATIVE DENSITY: 1.000

SOLUBILITY IN WATER: Forms emulsion.

PARTITION COEFFICIENT (Log K_{ow}): No data available.

AUTOIGNITION TEMPERATURE: No data available.

DECOMPOSITION TEMPERATURE: No data available.

VISCOSITY: 18. Sec. Zahn #2.

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: High heat.

INCOMPATIBLE MATERIALS: Strong oxidizers or alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS: Amines, ammonia, and irritating fumes.

11. TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE: Inhalation, skin absorption, skin contact.

ACUTE TOXICITY (ATE):

DERMAL LD₅₀: Insufficient data available.

ORAL LD₅₀: Insufficient data available.

INHALATION LD₅₀: Insufficient data available.

CHRONIC

TARGET ORGANS: May cause central nervous system effects and/or damage to the lungs with repeated or prolonged exposure.

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: A component of this product caused reduced fertility in lab animals at levels that were maternally toxic.

MUTAGENICITY: Insufficient data available.

SYNERGISTIC MATERIALS: No data available.

POTENTIAL HEALTH EFFECTS

EYES: May cause serious eye irritation.

SKIN: May cause skin irritation.

SKIN ABSORPTION: Insufficient data available.

INGESTION: May be harmful if swallowed.

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

INHALATION: Not a route of exposure under ordinary conditions.

MEDICAL CONDITIONS AGGRAVATED: No data available.

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

12. ECOLOGICAL INFORMATION

ECOTOXICITY: The aquatic toxicity is moderate for components of this product.

PERSISTENCE AND DEGRADABILITY: Insufficient data available.

BIOACCUMULATIVE POTENTIAL: Insufficient data available.

MOBILITY IN SOIL: Insufficient 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(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.

OTHER SHIPPING INFORMATION: Not applicable.

CANADA TRANSPORT OF DANGEROUS GOODS

PROPER SHIPPING NAME: Not regulated if shipped by ground.

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.

CANADA

WHMIS CLASS: Class D, Division 2.

MEXICO

Not applicable.

STATE REGULATIONS

MASSACHUSETTS

Contains no substances regulated by the Massachusetts Substance List.

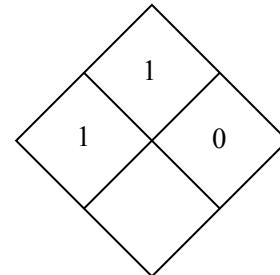
CALIFORNIA

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

NFPA RATINGS

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



Revision: 5-18-15