SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Discover

OTHER MEANS OF IDENTIFICATION: Not applicable.

GENERAL USE: For professional laundry 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

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Skin Corrosion/Irritation: Category 2
Eye Damage/Irritation: Category 1
Carcinogenicity: Category 2

GHS LABEL ELEMENTS

Symbol(s):

Signal Word: Danger

Hazard Statements:

H315 – Causes skin irritation.
H318 – Causes serious eye damage.
H351 – Suspected of causing cancer.

Precautionary Statements:

P201 – Obtain special instructions before use.
P202 – Do not handle until all safety precautions have been read and understood.
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.
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 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: 16% of the mixture consists of ingredient(s) of unknown acute toxicity.

3. COMPOSITION / INFORMATION ON INGREDIENTS

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

Chemical Name	Wt.%	CAS#
Trade Secret #1	-	-
Trade Secret #2	-	-
Trade Secret #3	-	-
Triethanolamine dodecylbenzene sulfonate	1-5	25155-30-0
Diethanolamine	1-5	111-42-2
Hexylene Glycol	1-5	107-41-5
Sodium Hydroxide	< 1	1310-73-2

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, pain, burning sensation, watering, redness, swelling, blurred vision.

SKIN: Irritation, burning sensation, pain, redness, swelling, drying, cracking, blistering.

SKIN ABSORPTION: No data available.

INGESTION: May cause nausea, vomiting, diarrhea, gastrointestinal irritation, disturbances of consciousness.

INHALATION: Irritation to respiratory tract, sore throat, coughing.

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/m^3	ppm	mg/m^3	ppm	mg/m^3
Trade Secret #1	**TWA**	NE[1]		NE			
	STEL	NE		NE			
Trade Secret #2	**TWA**	NE		NE			
	STEL	NE		NE			
Trade Secret #3	**TWA**	NE		NE			
	STEL	NE		NE			
Triethanolamine dodecylbenzene sulfonate	**TWA**	NE		NE			
	STEL	NE		NE			
Diethanolamine	**TWA**	NE		NE[2][3]			
	STEL	NE		NE			
Hexylene Glycol	**TWA**	NE		C25			
	STEL	NE		NE			
Sodium Hydroxide	**TWA**	NE	2	NE			
	STEL	NE		NE			

TABLE FOOTNOTES:

1. NE=Not established.
2. 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: 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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Fluorescent.

PHYSICAL STATE: Liquid.

COLOR: Light yellow.

ODOR: Lemon/citrus.

ODOR THRESHOLD: No data available.

pH: 11-12 (neat)

FREEZING POINT: No data available.

INITIAL BOILING POINT: No data available.

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: No data available.

VAPOR PRESSURE: No data available.

VAPOR DENSITY: No data available.

RELATIVE DENSITY: 1.03

SOLUBILITY IN WATER: Miscible.

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

AUTOIGNITION TEMPERATURE: Not available.

DECOMPOSITION TEMPERATURE: No data available.

VISCOSITY: 67 sec, Zahn #1

PERCENT VOLATILE: ~60

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10. STABILITY AND REACTIVITY

REACTIVITY: No

CHEMICAL STABLITY: Stable.

POSSIBILITY OF HAZARDOUS REACTIONS: Polymerization will not occur.

CONDITIONS TO AVOID: None known.

INCOMPATIBLE MATERIALS: Acids and strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Burning produces toxic, irritating vapors.

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11. TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY: Inhalation, and skin.

ACUTE TOXICITY (ATE)

DERMAL LD_{50}: Insufficient data available.

ORAL LD_{50}: Insufficient data available.

INHALATION LC_{50}: Insufficient data available.

CHRONIC TOXICITY

TARGET ORGANS: Components of this product caused liver and/or kidney effects in lab animals; the relevance to humans is unknown.

SENSITIZATION: Insufficient data available.

CARCINOGENICITY

IARC: A trace 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: See section 8.

OTHER: No data available.

REPRODUCTIVE EFFECTS: A component of this product causes fetotoxicity in animals at doses which are maternally toxic.

MUTAGENICITY: Insufficient data available.

SYNERGISTIC MATERIALS: None known.

POTENTIAL HEALTH EFFECTS

EYES: Causes serious eye damage. Corrosive.

SKIN Prolonged or repeated contact may cause dermatitis.

SKIN ABSORPTION: Insufficient data available.

INGESTION: Harmful if swallowed. May cause burns to mouth, throat, stomach, and bleeding of the gastrointestinal tract.

ASPIRATION HAZARD: Insufficient data available.

INHALATION: Insufficient data available.

MEDICAL CONDITIONS AGGRAVATED: No data available.

GENERAL COMMENTS: Refer to Section 2 for additional information on potential health effects.

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12. ECOLOGICAL INFORMATION

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

PERSISTENCE AND DEGRADABILITY: Insufficient data available.

BIOACCUMULATIVE POTENTIAL: No data available.

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

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: Not applicable.

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: Corrosive Liquid, NOS
TECHNICAL NAME(S): Sodium Hydroxide
PRIMARY HAZARD CLASS/DIVISION: 8
UN/NA NUMBER: UN1760
PACKING GROUP: III
LABEL: Corrosive. Cases of 4 one-gallon jugs are Limited Quantities. No Corrosive (Class 8) label required when shipped by ground.
REPORTABLE QUANTITY (RQ) UNDER CERCLA: >10,000 gal
OTHER SHIPPING INFORMATION: Not applicable.

CANADA TRANSPORT OF DANGEROUS GOODS

PROPER SHIPPING NAME: Corrosive Liquid, NOS
TECHNICAL NAME(S): Sodium Hydroxide
PRIMARY HAZARD CLASS/DIVISION: 8
UN/NA NUMBER: UN1760
PACKING GROUP: III
LABEL: Corrosive. Cases of 4 one-gallon jugs are Limited Quantities. No Corrosive (Class 8) label required when shipped by ground.
OTHER SHIPPING INFORMATION: Not applicable.

AIR (ICAO/IATA)

PROPER SHIPPING NAME: Corrosive Liquid, NOS
TECHNICAL NAME(S): Sodium Hydroxide
PRIMARY HAZARD CLASS/DIVISION: 8
UN/NA NUMBER: UN1760
PACKING GROUP: III
LABEL: Corrosive.
PLACARDS: Consult applicable regulations governing air shipments.
IATA NOTE: Consult applicable regulations on packaging requirements and quantity limitations.

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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: None.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA RQ: >80,000 lbs
REPORTABLE SPILL QUANTITY: >10,000 gal
RCRA STATUS: See section 13.

MEXICO

Regulated for transportation.

STATE REGULATIONS

MASSACHUSETTS

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

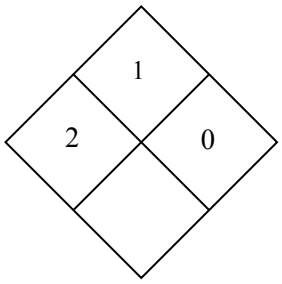
CALIFORNIA

PROPOSITION 65 STATEMENT: This product contains a small amount of diethanolamine, which is on the Proposition 65 list of chemicals known to the State of California to cause cancer.

16. OTHER INFORMATION

HMIS RATINGS	
HEALTH:	2
FLAMMABILITY:	1
REACTIVITY:	0
PERSONAL PROTECTION:	B

NFPA RATINGS



SDS Revision Date: October 13, 2016