

# SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Knock Out

**OTHER MEANS OF IDENTIFICATION:** Not applicable.

**GENERAL USE:** For professional drycleaning use only.

**PRODUCT DESCRIPTION:** Stain Removal Agent

### 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

Flammable Liquids: Category 3

Aspiration hazard: Category 1

Skin Corrosion/Irritation: Category 2

Eye Damage/Irritation: Category 1

Specific Target Organ Toxicity (STOT-SE) Respiratory Irritant Effects: Category 3

Specific Target Organ Toxicity (STOT-SE) Central Nervous System: Category 3

Carcinogenicity: Category 2

### GHS LABEL ELEMENTS

**Symbol(s):**



**Signal Word:** Danger

### Hazard Statements:

H226 – Flammable liquid and vapor.

H304 – May be fatal if swallowed and enters airways.

H315 – Causes skin irritation.

H318 – Causes serious eye damage.

H335 – May cause respiratory irritation.

H336 – May cause drowsiness or dizziness.

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.

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 non-sparking tools.

- P243 –Take precautionary measures against static discharge.  
 P261 – Avoid breathing dust/fume/gas/mist/vapors/spray.  
 P264 – Wash thoroughly after handling.  
 P271 – Use only outdoors or in well-ventilated areas.  
 P280 – Wear protective gloves/protective clothing/eye protection/face protection.  
 P301+P310+P331 – If SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
 DO NOT induce vomiting.  
 P302+P352 – IF ON SKIN: Wash with plenty of soap and water. Superseded by next stat.  
 P303+P361+P353 –IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing.  
 Rinse SKIN with water/shower.  
 P304+P340+P312 – IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. Call 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 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.  
 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 place. Keep container tightly closed. Keep cool.  
 P501 – Dispose of contents and container to licensed, permitted incinerator, or other thermal destruction device.

**Other Hazards:** Not available.

**Unknown Acute Toxicity:** Not applicable.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS#</u>
Aromatic hydrocarbons	<30 - 60	64742-95-6
n-Butyl alcohol	10 - 30	71-36-3
Trade Secret #1	-	-
Trade Secret #2	-	-
Trade Secret #3	-	-
Trade Secret #4	-	-
Trade Secret #5	-	-
Trade Secret #6	-	-
Trade Secret #7	-	-
Trade Secret #8	-	-

**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, redness, swelling, burning sensation, blurred vision.

**SKIN:** Irritation, redness, swelling, burning sensation, drying, cracking, flaking, blisters.

**SKIN ABSORPTION:** Insufficient data available.

**INGESTION:** Nausea, vomiting, diarrhea, drowsiness, dizziness, fatigue.

**INHALATION:** May be irritating to respiratory tract. Headache, coughing, nausea, cramps, weakness, dizziness, drowsiness, shortness of breath.

**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 IC

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

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon dioxide, carbon monoxide, oxides of sulfur.

**FIRE FIGHTING EQUIPMENT:** As in any fire, wear self-contained breathing apparatus pressure-demand, (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)**

	<b>EXPOSURE LIMITS</b>					
	<b>OSHA PEL</b>		<b>ACGIH TLV</b>		<b>Supplier OEL</b>	
	<b>ppm</b>	<b>mg/m<sup>3</sup></b>	<b>ppm</b>	<b>mg/m<sup>3</sup></b>	<b>ppm</b>	<b>mg/m<sup>3</sup></b>
Aromatic hydrocarbons	<b>TWA</b>	100 <sup>[2]</sup>			NE	
	<b>STEL</b>	NE <sup>[1]</sup>			20	
n-Butyl alcohol	<b>TWA</b>	100			NE	
	<b>STEL</b>	NE			NE	
Trade Secret #1	<b>TWA</b>	100 <sup>[3]</sup>			100 <sup>[3]</sup>	
	<b>STEL</b>	NE			150	
Trade Secret #2	<b>TWA</b>	NE			NE	

	<b>STEL</b> NE	NE	
Trade Secret #3	<b>TWA</b> NE	NE	
	<b>STEL</b> NE	NE	
Trade Secret #4	<b>TWA</b> 50	50 <sup>[3]</sup>	
	<b>STEL</b> NE	NE	
Trade Secret #5	<b>TWA</b> NE	NE	
	<b>STEL</b> NE	NE	
Trade Secret #6	<b>TWA</b> 100	50	
	<b>STEL</b> NE	100	
Trade Secret #7	<b>TWA</b> NE	NE	
	<b>STEL</b> NE	NE	
Trade Secret #8	<b>TWA</b> 100	20 <sup>[2]</sup>	50
	<b>STEL</b> NE	75	75

#### TABLE FOOTNOTES

1. NE=Not established.
2. A3: Confirmed animal carcinogen with unknown relevance to humans.
3. Skin notation.

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

**ENGINEERING CONTROLS:** Local exhaust may be required to control vapor concentration.

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Safety glasses with side shields, or goggles.

**SKIN:** Neoprene or Barrier™ 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:** Light yellow.

**ODOR:** Sweet, ethereal.

**ODOR THRESHOLD:** No data available.

**pH:** 4.5-5.5

**FREEZING POINT:** No data available.

**INITIAL BOILING POINT:** 118°C (245°F)

**FLASHPOINT:** 34°C (93°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:** 0.89

**SOLUBILITY IN WATER:** Slight, forms emulsion.

**PARTITION COEFFICIENT (Log K<sub>ow</sub>):** No data available.

**AUTOIGNITION TEMPERATURE:** No data available.

**DECOMPOSITION TEMPERATURE:** No data available.

**VISCOSITY:** No data available.

**PERCENT VOLATILE:** ~72

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## 10. STABILITY AND REACTIVITY

**REACTIVITY:** No.

**CHEMICAL STABILITY:** Stable.

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

**CONDITIONS TO AVOID:** Use or storage at temperature above 110°F

**INCOMPATIBLE MATERIALS:** Strong oxidizers.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Burning may form toxic vapors.

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## 11. TOXICOLOGICAL INFORMATION

**ROUTES OF EXPOSURE:** Inhalation and skin.

### ACUTE TOXICITY (ATE)

**DERMAL LD<sub>50</sub>:** > 2,000 mg/kg (rabbit)

**ORAL LD<sub>50</sub>:** > 2,000 mg/kg (rat)

**INHALATION LC<sub>50</sub>:** 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. Components of this product may affect the central nervous system. Components of this product may cause irritation to the respiratory tract.

**SENSITIZATION:** Insufficient data available.

### CARCINOGENICITY

**IARC:** Two components of this product are classified as Group 2B (Possibly carcinogenic to humans).

**NTP:** A component of this product is considered a suspected carcinogen.

**OSHA:** Not listed as a carcinogen.

**OTHER:** ACGIH A3. Components of this product are classified as confirmed animal carcinogens with unknown relevance to humans.

**OTHER:** No data available.

**REPRODUCTIVE EFFECTS:** Components of this product caused reproductive disorders in laboratory animals.

**MUTAGENICITY:** Insufficient data available.

**SYNERGISTIC MATERIALS:** May enhance the toxicity of other materials.

### 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:** Yes.

**INHALATION:** May cause central nervous system depression; extreme concentrations may cause unconsciousness or death. May affect kidney, liver, central nervous system.

**MEDICAL CONDITIONS AGGRAVATED:** Pre-existing skin, lungs, and central nervous system conditions.

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

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## 12. ECOLOGICAL INFORMATION

**ECOTOXICITY:** Components of this product have moderate aquatic toxicity.

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

**BIOACCUMULATIVE POTENTIAL:** Insufficient data available.

**MOBILITY IN SOIL:** Insufficient data available.

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

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## 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) listed by RCRA as hazardous waste.

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## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Flammable Liquid, NOS

**TECHNICAL NAME:** Petroleum distillates.

**PRIMARY HAZARD CLASS/DIVISION:** 3

**UN/NA NUMBER:** UN1993

**PACKING GROUP:** III

**LABEL:** Flammable Liquid (Class 3), where applicable.

**OTHER SHIPPING INFORMATION:** No data available.

### CANADA TRANSPORT OF DANGEROUS GOODS

**PROPER SHIPPING NAME:** Flammable Liquid, NOS

**PRIMARY HAZARD CLASS/DIVISION:** 3

**UN/NA NUMBER:** UN1993

**PACKING GROUP:** III

**LABEL:** Flammable Liquid (Class 3), where applicable.

**OTHER SHIPPING INFORMATION:** No data available.

### AIR (ICAO/IATA)

**PROPER SHIPPING NAME:** Flammable Liquid, NOS

**PRIMARY HAZARD CLASS/DIVISION:** 3

**UN/NA NUMBER:** UN1993

**PACKING GROUP:** III

**LABEL:** Flammable Liquid, NOS (Class 3) label required when shipped by air.

**PLACARD:** Consult applicable regulations governing air shipments.

**IATA NOTE:** Consult applicable regulations on 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:** An ingredient is reportable.

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

**CERCLA RQ:** One or more ingredients has an RQ of 5000 lbs.

**REPORTABLE SPILL QUANTITY:** > 10,000 gals

**RCRA STATUS:** See section 13.

**MEXICO**

Regulated for transportation.

**STATE REGULATIONS****MASSACHUSETTS**

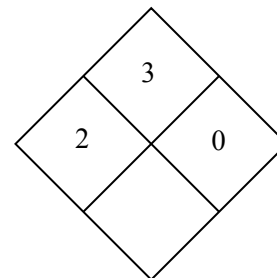
Contains one or more substances regulated by the Massachusetts Substance List.

**CALIFORNIA**

**PROPOSITION 65 STATEMENT:** Certain components of this product are on the Proposition 65 list of chemicals known to the State of California to cause cancer.

**16. OTHER INFORMATION**

<b>HMIS RATINGS</b>	
HEALTH:	2
FLAMMABILITY:	3
REACTIVITY:	0
PERSONAL PROTECTION:	B

**NFPA RATINGS**

**SDS Revision Date:** November 5, 2015