

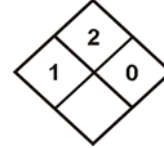
MATERIAL SAFETY DATA SHEET

PRODUCT HYDRO SPOT



NFPA HAZARD RATINGS\*

Health	1	Slight health hazard
Fire	2	Moderately combustible
Reactivity	0	Nonreactive



SECTION 1: PRODUCT INFORMATION

Manufacturer: ADCO, Inc., 900 W. Main, Sedalia, MO 65301 (660) 826-3300  
 EMERGENCY TELEPHONE NUMBERS: CHEMTREC (800) 424-9300 24 HRS 7 DAYS A WEEK; ADCO (800) 821-7556 (8-5 M-F)  
 Intended Product Use: Spot and stain removal agent for drycleaning only.  
 Synonyms: None

SECTION 2: HAZARDOUS INGREDIENTS

Chemical Name	%	CAS #	OSHA PEL	LD 50
Terpene hydrocarbons	40-60	5989-27-5	100 ppm TWA	oral: 5 g/kg (rat) dermal: 5 g/kg (rabbit)

SECTION 3: PHYSICAL DATA

Appearance: Yellow-orange liquid  
 Odor: Citrus odor  
 Specific Gravity (20° C): 0.922  
 pH (20:80 in IPA/H2O Soln.): 7.5 - 8.5  
 Boiling Point: 257°F  
 Solubility in Water: Slight - forms emulsion  
 Vapor Pressure (mm Hg): No data  
 Vapor Density: No data

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method)(°F): 108° (TCC)  
 Extinguishing Media: Dry chemical, carbon dioxide, water fog, or other media for Class B fires.  
 Special Fire Fighting Procedures: Wear self-contained breathing apparatus. Cool containers with water spray.  
 Unusual Fire and Explosion Hazards: Vapors may form combustible or explosive mixture with air. Combustible products may be toxic.  
 Upper Flammable Limit: 6.1 (terpene hydrocarbons)  
 Lower Flammable Limit: 0.7 (terpene hydrocarbons)

SECTION 5: REACTIVITY DATA

Stability: Stable  
 Conditions to Avoid: Use or storage at temperatures over 120°F  
 Incompatibility (materials to avoid): Strong oxidizers  
 Hazardous Decomposition Products: Burning may produce toxic, irritating vapors.  
 Hazardous Polymerization: Will not occur.

SECTION 6: HEALTH HAZARD DATA

Toxicity (Estimated): Slight  
 Effects of Overexposure:  
 Acute: Exposure to high concentrations of vapors may cause headaches, nausea, dizziness, or nose, throat, or eye irritation. Contact with eyes, prolonged or repeated contact with skin may cause drying or irritation.  
 Chronic: Prolonged or repeated exposure can cause drying, defatting, and dermatitis of skin.  
 Carcinogenicity: None of the ingredients of this mixture have been identified as a carcinogen or probable carcinogen by ACGIH, IARC, or OSHA.

\*Hazard ratings and other information are based on latest available information from tests on product or ingredients of mixtures. The data and evaluations are accurate to the best of ADCO's knowledge. No guarantee or liability is expressed or implied.

EXPOSURE LIMITS 100 ppm TWA (terpene hydrocarbons)	IRRITANCY OF PRODUCT Slight eye and skin	SENSITIZATION TO PRODUCT None reported	CARCINOGENICITY No components are listed by ACGIH, IARC or OSHA
TERATOGENICITY No effects reported	REPRODUCTIVE TOXICITY No effects reported	MUTAGENICITY None reported	SYNERGISTIC PRODUCTS None reported

Based on known toxicity of components. No test data available on mixture.

## SECTION 7: PREVENTATIVE MEASURES

### SPECIAL PROTECTION INFORMATION

Respiratory Protection: None required when used as directed with adequate ventilation.  
When cleaning up large spills in confined areas, self-contained breathing apparatus is recommended.

Ventilation: Normal industrial ventilation is adequate.  
Local exhaust at work station recommended.

Protective Gloves: Ordinarily not needed. Use chemically resistant gloves when contact is prolonged or frequent.  
Eye Protection: Use goggles or face mask if splashing is likely.

Other protection equipment ordinarily not needed. Availability of eye washes and adequate ventilation in work areas recommended.

**STORAGE AND HANDLING:** Store in closed containers in a well ventilated area. Keep containers closed when not in use. Keep away from heat and open flame.

**SPILL OR LEAK PROCEDURES:** Avoid breathing vapors. Keep from sources of ignition. Soak up on absorbent material (sawdust, etc.) and shovel into containers for disposal.

**WASTE DISPOSAL METHOD:** Dispose of in manner that complies with all local, state, and federal regulations for combustible wastes.

### RECOMMENDED PRECAUTIONARY LABELING:

#### **CAUTION:**

Combustible. Keep away from heat and open flames.  
Use with adequate ventilation. Avoid prolonged breathing of vapors. Avoid contact with skin and eyes.

#### **FIRST AID:**

Remove person overcome by vapors to fresh air. In case of contact with eyes, flush for 15 minutes with water. Wash off of skin with soap and water. If swallowed, do NOT induce vomiting. Call physician immediately.

**KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.**

This product is intended for professional use only by trained personnel.

## SECTION 8: FIRST AID

Inhalation: Remove person overcome by vapors to fresh air.

Eyes: Flush eyes 15 minutes with water.

Skin: Wash off of skin with soap and water.

Ingestion: Do NOT induce vomiting.

IF SYMPTOMS PERSIST, SEEK MEDICAL ASSISTANCE

## SECTION 9: SARA TITLE III

NOTE: This product does contain some components which are under the reporting requirements of SARA Title III, Section 313. If you are required to report discharges using Form R, SARA Title III, Section 313, information is available on amounts of reportable components.

## SECTION 10: PREPARATION DATE

This information is provided for guidance only based on information we have compiled. No guarantee of accuracy or completeness is expressed or implied.

ADCO RESEARCH DEPARTMENT

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