

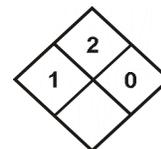
# MATERIAL SAFETY DATA SHEET

PRODUCT H/C Spot



## NFPA HAZARD RATINGS\*

Health	1	Slight health hazard
Fire	2	Moderately combustible
Stability	0	Stable



## SECTION 1: PRODUCT INFORMATION

Manufacturer: ADCO Cleaning Products LLC, 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: General duty spotting agent for hydrocarbon systems  
Synonyms: None

## SECTION 2: HAZARDOUS INGREDIENTS

Chemical Name	%	CAS #	OSHA PEL	LD 50
Cyclohexanol	<3	108-93-0	50 ppm TWA	oral: 2060 mg/kg (rat) dermal: 1300 mg/kg (dog)
Synthetic isoparaffinic hydrocarbon	<90	68551-17-7	300 ppm TWA (recommended)	oral: 34.6 g/kg (rat)

## SECTION 3: PHYSICAL DATA

Appearance: Clear, colorless liquid  
Odor: Bland  
Specific Gravity (20° C): 0.79  
pH (20:80 in IPA/H<sub>2</sub>O Soln.): 5.8-6.3  
Boiling Point: >350°F  
Solubility in Water: Dispersible  
Vapor Pressure (mm Hg): No data  
Vapor Density: No data

## SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method)(°F): 137 (TCC)  
Upper Flammable Limit: No data  
Lower Flammable Limit: No data  
Extinguishing Media: Dry chemical, carbon dioxide, water fog  
Special Fire Fighting Procedures: Avoid directing strong water stream into product - may generate foam  
Unusual Fire and Explosion Hazards: High heat may produce noxious decomposition product

## SECTION 5: REACTIVITY DATA

Stability: Stable  
Conditions to Avoid: High heat  
Incompatibility (materials to avoid): Strong oxidizers, strong alkalis  
Hazardous Decomposition Products: Amines, ammonia, and irritating fumes  
Hazardous Polymerization: Will not occur

## SECTION 6: HEALTH HAZARD DATA

Toxicity (Estimated): Low  
Effects of Overexposure:  
Acute: Causes drying and irritation in eyes or on prolonged contact with skin.  
Chronic: None  
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 50 ppm TWA (Cyclohexanol), 300 ppm TWA recommended (synthetic isoparaffinic hydrocarbon)	IRRITANCY OF PRODUCT Very slight eye and skin	SENSITIZATION TO PRODUCT None reported	CARCINOGENICITY No components are listed by ACGIH, IARC, or OSHA
TERATOGENICITY None effects reported	REPRODUCTIVE TOXICITY None 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.

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 plastic or lined metal containers. Use plastic or stainless steel drum pump.

### SPILL OR LEAK PROCEDURES:

Small spills may be flushed to sewer with water. Larger spills - soak up on absorbent material and transfer to containers for disposal as nonhazardous waste.

### WASTE DISPOSAL METHOD:

Nonhazardous. Flush to sewer or dispose of material and container in nonhazardous municipal landfill in compliance with all local, state, and federal regulations.

### RECOMMENDED PRECAUTIONARY LABELING:

#### CAUTION:

Splashing into eyes or prolonged or repeated contact with skin may cause irritation.

#### FIRST AID:

In case of contact with eyes, flush 15 minutes with water. Wash off of skin. If swallowed, do NOT induce vomiting.

### 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: No treatment necessary.

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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