

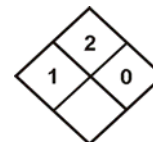
MATERIAL SAFETY DATA SHEET

PRODUCT APOG - AMERICAN PAINT, OIL & GREASE REMOVER



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: Spot and stain removal agent for drycleaning only.
 Synonyms: American POG, APOG

SECTION 2: HAZARDOUS INGREDIENTS

Chemical Name	%	CAS #	OSHA PEL	LD 50
Aromatic petroleum distillates	40-50	64742-95-6	500 ppm TWA	oral: 4700 mg/kg (rat) dermal: 3480 mg/kg (rat)
Cyclohexanol	5-10	108-93-0	50 ppm TWA	oral: 2060 mg/kg (rat) dermal: 1300 mg/kg (dog)
Amyl alcohol	<5	71-41-0	Not listed	oral: 3880 mg/kg (rat) dermal: 4.49 ml/kg (rat)
Potassium hydroxide (dilute solution)	<5	1310-58-3	2 mg/m ³ Ceiling	oral: 273 mg/kg (rat) dermal: 4200 mg/kg (rabbit)
pentyl acetate	<5	628-63-7	100 ppm TWA	oral: 6500 mg/kg (rat)
1-methoxy-2-propanol	<5	107-98-2	Not listed	oral: 6070 mg/kg (rat) dermal: 12 ml/kg (rabbit)
Cyclohexanone	4-5	108-94-1	50 ppm TWA	oral: 1900 mg/kg (rat) dermal: >1 ml.kg (rabbit)
Petroleum distillates	10-20	8052-41-3	500 ppm TWA	oral: >5000 mg/kg (rat) dermal: >3160 mg/kg (rabbit)

SECTION 3: PHYSICAL DATA

Appearance: Light yellow liquid
 Odor: Nut-like
 Specific Gravity (20° C): 0.895
 pH (20:80 in IPA/H₂O Soln.): 8.5-9.0
 Boiling Point: 206°F (96.7°C)
 Solubility in Water: Slight-forms emulsion
 Vapor Pressure (mm Hg): No data
 Vapor Density: Heavier than air

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method)(°F): 104 (TCC)
 Upper Flammable Limit: No data
 Lower Flammable Limit: No data
 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.

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: Orthodichlorobenzene is reported to cause liver and kidney damage with prolonged or repeated exposure.
 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 pm TWA (cyclohexanol, cyclohexanone), 100 ppm TWA (pentyl acetate)	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 is 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 a 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 for 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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