

MATERIAL SAFETY DATA SHEET

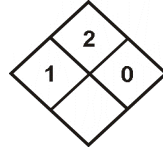
PRODUCT _____

NEUTRA _____



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: Soil and stain removal agent for laundry and drycleaning

Synonyms: Neutral lubricant

State Registry#: MA Prod. # 99-114-001

SECTION 2: HAZARDOUS INGREDIENTS

Chemical Name	%	CAS #	OSHA PEL	LD 50
Cyclohexanol	1-5	108-93-0	50 ppm TWA	oral: 2060 mg/kg (rat)
ethylene glycol monobutyl ether (EB solvent)	<5	111-76-2	25 ppm TWA	oral: 470 mg/kg (rat) dermal: 200 mg/kg (rabbit)
Hexylene glycol	<8	107-41-5	25 ppm TWA	oral: 3.7 g/kg (rat) dermal: 12.0 g/kg (rabbit)

SECTION 3: PHYSICAL DATA

Appearance: Clear light yellow
Odor: Bland
Specific Gravity (20° C): 1.028
pH (Water Solution): 6.5-7.5

Boiling Point: 210°F
Solubility in Water: Miscible
Vapor Pressure (mm Hg): No data
Vapor Density: No data

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method)(°F): 130 (TCC)
Upper Flammable Limit: 12.25 (cyclohexanol)
Lower Flammable Limit: 1.2 (cyclohexanol)
Extinguishing Media: Compatible with all types of fire extinguishers.
Special Fire Fighting Procedures: Avoid directing strong stream of water into material - may cause foaming.
Unusual Fire and Explosion Hazards: None

SECTION 5: REACTIVITY DATA

Stability: Stable
Conditions to Avoid: None
Incompatibility (materials to avoid): Strong oxidizers
Hazardous Decomposition Products: Burning produces toxic vapors, irritating fumes
Hazardous Polymerization: Will not occur

SECTION 6: HEALTH HAZARD DATA

Toxicity (Estimated): Very low
Effects of Overexposure: Acute: Eye contact may cause irritation and swelling of conjunctiva. Prolonged skin contact may cause redness and swelling at site of contact. Inhalation may cause dizziness.
Chronic: Kidney and liver effects reported in animals (cyclohexanol). Prolonged skin contact may cause dermatitis.
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), 25 ppm TWA (EB solvent), 25 ppm TWA (hexylene glycol)	IRRITANCY OF PRODUCT 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. Local exhaust at work station 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 closed containers at temperatures below 50°C. Do not store in unlined metal containers.

SPILL OR LEAK PROCEDURES: Small spills may be flushed to sewer with water. Large spills - soak up on absorbent material and transfer to containers for disposal as nonhazardous waste.

WASTE DISPOSAL METHOD: Nonhazardous. Flush small quantities to sewer with water. Soak up large spills on absorbent material and transfer to containers for disposal as nonhazardous waste in compliance with all local, state, and federal regulations.

RECOMMENDED PRECAUTIONARY LABELING:

CAUTION:

Splashing in 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 with soap and water. 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: If swallowed, 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

Prepared by:

Julie D. Hirner

Julie D. Hirner

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