

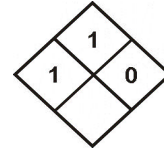
MATERIAL SAFETY DATA SHEET

PRODUCT ADCO-R DETERGENT



NFPA HAZARD RATINGS\*

Health	1	Slight health hazard
Fire	1	Slightly 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: Drycleaning detergent for Rynex solvent  
 Synonyms: None

SECTION 2: HAZARDOUS INGREDIENTS

Chemical Name	%	CAS #	OSHA PEL	LD 50
Ethylene glycol monobutyl ether	< 10	111-76-2	25 ppm TWA	oral: 470 mg/kg (rat) dermal: 200 mg/kg (rabbit)

SECTION 3: PHYSICAL DATA

Appearance: Clear, light yellow liquid  
 Odor: Bland  
 Specific Gravity (20° C): 1.017  
 pH(straight) 5.51  
 Boiling Point: No data  
 Solubility in Water: Complete  
 Vapor Pressure (mm Hg): No data  
 Vapor Density: No data

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method)(°F): >230° (PM)  
 Extinguishing Media: Dry chemical, carbon dioxide, water fog or other media for Class B fires.  
 Special Fire Fighting Procedures: Cool containers with water spray. Wear self-contained breathing apparatus.  
 Unusual Fire and Explosion Hazards: Vapors may form combustible or explosive mixture with air. Combustion products may be toxic.  
 Upper Flammable Limit: No data  
 Lower Flammable Limit: No data

SECTION 5: REACTIVITY DATA

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

SECTION 6: HEALTH HAZARD DATA

Toxicity (Estimated): Low  
 Effects of Overexposure:  
 Acute: May cause eye or skin irritation on prolonged contact. May cause nausea, vomiting and diarrhea if ingested.  
 Chronic: None known.  
 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 25 ppm TWA (ethylene glycol monobutyl ether)	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.

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 containers. Use plastic or nylon-stainless steel drum pump. Keep away from heat and open flame.

**SPILL OR LEAK PROCEDURES:** Avoid breathing vapors. Keep from sources of ignition. Flush small spills to sewer with water. Soak up larger spills with absorbent material and transfer to resealable 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 or open flame. Avoid prolonged breathing of vapors. Contact with eyes or prolonged, repeated contact with skin may cause irritation. Harmful if swallowed.

#### **FIRST AID:**

In case of contact, flush eyes for 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: 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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