

MATERIAL SAFETY DATA SHEET

PRODUCT Optima



HMIS HAZARD RATINGS:

Health 1
Flammability 2
Physical hazards 0



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: Drycleaning detergent
Synonyms:

SECTION 2: HAZARDOUS INGREDIENTS

Table with 5 columns: Chemical Name, %, CAS #, OSHA PEL, LD 50. Rows include Synthetic isparaffinic hydrocarbon and Ethylene glycol monobutyl ether (EB solvent).

SECTION 3: PHYSICAL DATA

Appearance: Water white liquid
Odor: Glycol ether odor
Specific Gravity (20° C): 0.890
pH (20:80 in IPA/H2O Soln.): 2.5-3.5
Boiling Point: No data
Solubility in Water: Insoluble
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: 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 material - may cause foaming.
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 or repeated contact with skin.
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 (EB solvent), 300 ppm TWA (synthetic hydrocarbon)	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 plastic or lined metal containers. Use plastic or stainless steel drum pumps. Keep away from heat and open flames.

**SPILL OR LEAK PROCEDURES:** Avoid breathing vapors. Keep from sources of ignition. Soak up on absorbent material 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:**

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

#### **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 victim to fresh air.

Eyes: Flush eyes for 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 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 quantities.

## 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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