

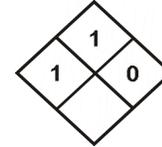
MATERIAL SAFETY DATA SHEET

PRODUCT Sentinel



NFPA HAZARD RATINGS*

Health	1	Slight health hazard
Fire	1	Slightly 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: Drycleaning detergent for Green Earth Solvent

SECTION 2: HAZARDOUS INGREDIENTS

Table with 5 columns: Chemical Name, %, CAS #, OSHA PEL, LD 50. Rows include Methyl Bis(Tallow Amido Ethyl) 2-Hydroxyethyl Ammonium Methyl Sulfate, Ethoxylated and Alcohols, C9-11 ethoxylated.

SECTION 3: PHYSICAL DATA

Appearance: Water white liquid
Odor: Bland
Specific Gravity (20° C): 1
pH (20:80 IPA/H2O Soln.): 6.0-6.5
Boiling Point (°C): Not determined
Solubility in Water: Miscible
Vapor Pressure (mm Hg): Not determined
Vapor Density: Heavier than air

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method)(°F): >230 (PM)
Upper Flammable Limit: Not determined
Lower Flammable Limit: Not determined
Extinguishing Media: Alcohol type foam, universal foam, dry chemical, carbon dioxide or water spray.
Special Fire Fighting Procedures: Use water spray to cool fire exposed surfaces and to protect personnel.
Unusual Fire and Explosion Hazards: None known.

SECTION 5: REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Avoid overheating (over 150° F). Avoid strong oxidizing agents.
Incompatibility (materials to avoid): Avoid contact with acidic, basic or oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, silicon dioxide and formaldehyde.
Hazardous Polymerization: Will not occur.

SECTION 6: HEALTH HAZARD DATA

Toxicity (Estimated): Low
Effects of Overexposure: Acute: Irritation in eyes or on prolonged contact with skin. Chronic: None known.
Carcinogenicity: This product or any of its ingredients present 0.1% or more is NOT listed as a carcinogen or suspected 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 See section 2	IRRITANCY OF PRODUCT Moderate skin & eye irritation	SENSITIZATION TO PRODUCT None reported	CARCINOGENICITY None as reported 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 area, self-contained breathing apparatus is recommended.

Ventilation: Use only in well ventilated area.
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: Keep containers tightly closed when not in use. Do not cut, drill, grind or weld on or near empty containers.
Recommended storage in original containers below 85°F.

SPILL OR LEAK PROCEDURES: Keep from sources of ignition. Soak up on absorbent material and shovel into containers for disposal.

WASTE DISPOSAL METHOD: Dispose of material and container in nonhazardous municipal landfill in compliance with all local, state, and federal regulations.

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. Slowly dilute with 1-2 glasses of water. Get medical attention if symptoms persist.

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: Move victim to fresh air.

Eyes: Flush eyes with water for at least 15 minutes while holding eyelids open.

Skin: Wash off with soap and water.

Ingestion: If swallowed, get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel. Slowly dilute with 1-2 glasses of water.

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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