

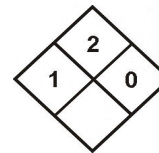
MATERIAL SAFETY DATA SHEET

PRODUCT TOP CAT



NFPA HAZARD RATINGS*

Table with 2 columns: Hazard Category and Rating. 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: Injection detergent for drycleaning
Synonyms: None

SECTION 2: HAZARDOUS INGREDIENTS

Table with 5 columns: Chemical Name, %, CAS #, OSHA PEL, LD 50. Ethyl alcohol, trace, 64-17-5, 1000 ppm TWA, oral: 7.06 g/kg (rat)

SECTION 3: PHYSICAL DATA

Appearance: Clear, pale liquid; Boiling Point: No data; Odor: Pleasant, fruity odor; Solubility in Water: Miscible; Specific Gravity (20° C): 0.996; Vapor Pressure (mm Hg): No data; pH (Straight): 4.8-5.2; Vapor Density: No data

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method)(°F): 145° (TCC); Upper Flammable Limit: No data; Lower Flammable Limit: No data; Extinguishing Media: Compatible with all types - self-extinguishing; Special Fire Fighting Procedures: Cool fire-exposed containers with water spray; Unusual Fire and Explosion Hazards: Vapors may form combustible mixture with air.

SECTION 5: REACTIVITY DATA

Stability: Stable; Conditions to Avoid: None; Incompatibility (materials to avoid): Strong oxidizers; Hazardous Decomposition Products: Burning produces toxic 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; 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 1000 ppm TWA (ethyl alcohol)	IRRITANCY OF PRODUCT Moderate eye, slight 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 containers. Use plastic pump.

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 to sewer to dispose of material and container in nonhazardous municipal landfill in compliance with all local, state, and federal regulations.

RECOMMENDED PRECAUTIONARY LABELING:

CAUTION: Splashing into eyes or prolonged or repeated contact with skin may cause irritation.

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: No treatment necessary.
 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 not contain any components which are under the reporting requirements of SARA Title III, Section 313.

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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Replaces MSDS of: December 22, 1998