

MATERIAL SAFETY DATA SHEET

PRODUCT #1 Blue Detergent Test Solution



Division of Adco

HMIS HAZARD RATINGS:

Health	*	4
Flammability		3
Physical hazards		2

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: Test solution
 Synonyms:

SECTION 2: HAZARDOUS INGREDIENTS

Chemical Name	%	CAS #	OSHA PEL	LD 50
Ethylene dichloride	99	107-06-2	50 ppm TWA	oral: 500 mg/kg (rat) dermal: 2800 mg/kg (rabbit)

SECTION 3: PHYSICAL DATA

Appearance: Clear, blue liquid	Boiling Point: 182°F
Odor: Chloroform-like odor	Solubility in Water: Miscible
Specific Gravity (20° C): 1.255	Vapor Pressure (mm Hg): No data
pH (20:80 IPA/H ₂ O Soln.): No data	Vapor Density: No data

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method)(°F): 56 (TCC)	Upper Flammable Limit: No data
Extinguishing Media: Alcohol foam, water fog, or dry chemical	Lower Flammable Limit: No data
Special Fire Fighting Procedures: Self-contained breathing apparatus operated in the positive pressure mode.	
Unusual Fire and Explosion Hazards: Vapors can be ignited by high energy sources at locations distant from handling point.	

SECTION 5: REACTIVITY DATA

Stability: Stable	Conditions to Avoid: High heat
Incompatibility (materials to avoid): Strong oxidizing agents	
Hazardous Decomposition Products: May form toxic material and acidic gases at high temperatures.	
Hazardous Polymerization: Will not occur	

SECTION 6: HEALTH HAZARD DATA

Toxicity (Estimated): High	
Effects of Overexposure: Acute: Causes moderate to severe drying and irritation in eyes or on prolonged or repeated contact with skin. Toxic by skin absorption, by inhalation and by ingestion. May cause headache, weakness, cyanosis, nausea, vomiting, and diarrhea. These symptoms may be followed by central nervous system effects, liver damage, kidney damage, adrenal gland damage, and unconsciousness.	
Chronic: Weight loss, low blood pressure, jaundice, dermatitis, eye damage and anemia.	
Carcinogenicity: Ethylene dichloride has been identified by the IARC as a class 2A carcinogen and by NTP as a R-group carcinogen.	

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	IRRITANCY OF PRODUCT Severe eye and skin	SENSITIZATION TO PRODUCT None reported	CARCINOGENICITY Ethylene dichloride has been identified by the IARC as a class 2A carcinogen and by NTP as a R-group carcinogen.
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: Provide sufficient ventilation to maintain exposure below TLV.
Approved organic vapor respirator is required in absence of proper environmental control.

Ventilation: Provide sufficient ventilation to maintain exposure below TLV.

Protective Gloves: Use gloves made of viton, neoprene or polyvinyl alcohol.
 Eye Protection: Use chemical splash goggles.

Other protection equipment ordinarily not needed. Availability of eye washes and adequate ventilation in work areas recommended.

STORAGE AND HANDLING: Safety shower, eye bath and washing facilities should be available near where product is stored and used.

SPILL OR LEAK PROCEDURES: Eliminate all ignition sources. Persons not wearing personal protective equipment should be excluded from area of spill. Absorb liquid on paper or other absorbent material. Dispose of absorbent material in accordance with all local, state and federal regulations. Keep out of water supply.

WASTE DISPOSAL METHOD: Dispose of in manner that complies with all local, state, and federal regulations for flammable and toxic wastes.

RECOMMENDED PRECAUTIONARY LABELING:

CAUTION: Flammable - Keep away from open heat and flames.
 Avoid breathing of vapors. Wear skin and eye protection at all times.

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. Remove person overcome by vapors to fresh air. Get medical attention.

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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