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Date Signed: 3-1-04

Transportation: Chemtrec

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MATERIAL SAFETY DATA SHEET

I. IDENTIFICATION

PRODUCT NAME: #1 Blue Detergent Test Solution
CHEMICAL NAME: Dichloroethane
CAS NUMBER: 107-06-2
EMERGENCY TELEPHONE NUMBER: (618) 524-9394

II. COMPONENTS AND HAZARD INFORMATION

HAZARDOUS COMPONENT	CAS NO. OF COMPONENT	TLV OF COMPONENT	OSHA PEL	APPROXIMATE CONCENTRATION
Ethylene Dichloride	107-06-2	10 ppm	10 ppm	99.0%

This product contains Ethylene Dichloride, which is subject to the reporting requirements of SARA III.

D.O.T. Hazard Classification: Flammable Liquid NOS (Contains Ethylene Dichloride), 3, UN 1993, PG II
Hazardous Materials Identification System (HMIS)

Health	Flammability	Reactivity	BASIS
<u>3</u>	<u>4</u>	<u>2</u>	<u>Recommended by Laidlaw</u>
TLV for Total Product			<u>BASIS</u>
<u>10 ppm</u>			<u>Calculated TLV REF ACGIH</u>

III. PHYSICAL DATA

Boiling Point 182°F Vapor Density Not determined.
Vapor Pressure Not determined. Percent Volatiles 99.0%
Specific Gravity 1.2554 Evaporation Rate Not determined.

IV. FIRE AND EXPLOSION DATA

Flash Point (°F TCC) 56°F
Extinguishing Media Alcohol foam, water fog, or dry chemical.

Special Firefighting Procedures Self-contained breathing apparatus operated in the positive pressure mode.

Unusual Fire & Explosion Hazards Vapors can be ignited by high energy sources at locations distant from handling point.

National Fire Protection Association (NFPA) - Hazard Identification

Health	Flammability	Reactivity	BASIS
<u>3</u>	<u>4</u>	<u>2</u>	<u>Recommended by Laidlaw</u>

V. HEALTH HAZARD DATA

Effects of Overexposure:

Eyes: Strong irritant to eyes.

Skin: Toxic by skin absorption and strong irritant to skin.

Breathing: Toxic by inhalation.

Swallowing: Toxic by ingestion.

#1 BLUE DETERGENT TEST SOLUTION

First Aid Procedures:

- Swallowing: Do not induce vomiting; get immediate medical attention.
- Skin: Wash with soap and water; if irritation persists get medical attention.
- Inhalation: Remove to fresh air and get medical attention.
- Eyes: Flush with water for at least 15 minutes and get medical attention.

Health studies have shown that health risks vary from person to person. As a precaution exposure to liquids, vapors, misty fumes or dust should be minimized.

VI. REACTIVITY DATA

- Hazardous Polymerization: Cannot occur.
- Stability: Stable.
- Incompatibility: Avoid contact with strong oxidizing agents.
- Hazardous Decomposition Products: May form toxic material and acidic gases at high temperatures.

VII. SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled:

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

VIII. PROTECTION AND PRECAUTIONS

Respiratory Protection: 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: Chemical splash goggles.

Other Protective Equipment: Safety shower, eye bath and washing facilities should be available.

IX. PRECAUTIONS OR OTHER COMMENTS

Precautions to be taken in handling and storing: Maintain good housekeeping. Avoid contact with eyes. Wash thoroughly after handling. Use with adequate ventilation.

The information and recommendations accumulated herein are to the best of Laidlaw's knowledge and belief, accurate and reliable as of the date issued. Laidlaw does not warrant or guarantee their accuracy or reliability, and shall not be liable for any loss or damage arising out of the use thereof.

HMIS and NFPA recommended ratings are based upon the criteria supplied by the developers of these rating systems together with Laidlaw's interpretation of the available data.