

Laidlaw Corporation
5326 Industrial Park Road
Metropolis, IL 62960

Date Signed: 3-1-04

Transportation: Chemtrec

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Emergency: 1-800-424-9300

MATERIAL SAFETY DATA SHEET

I. IDENTIFICATION

PRODUCT NAME: Vari-Clean Injection Detergent
CHEMICAL NAME: Cationic Detergent
CAS NUMBER: MIXTURE
EMERGENCY TELEPHONE NUMBER: (618) 524-9394

II. COMPONENTS AND HAZARD INFORMATION

HAZARDOUS COMPONENT	CAS NO. OF COMPONENT	TLV OF COMPONENT	OSHA PEL	APPROXIMATE CONCENTRATION
Hexylene Glycol	107-41-5	25 ppm	25 ppm	20.0%

D.O.T. Hazard Classification:

Hazardous Materials Identification System (HMIS)

Health 1	Flammability 0	Reactivity 0	BASIS Recommended by Laidlaw BASIS Calculated TLV REF ACGIH
TLV for Total Product 850 ppm			

III. PHYSICAL DATA

Boiling Point 216°F Vapor Density Not Determined
Vapor Pressure Not Determined Percent Volatiles 90%
Specific Gravity 1.043 Evaporation Rate Not Determined

IV. FIRE AND EXPLOSION DATA

Flash Point (°F TCC) Not applicable
Extinguishing Media Not applicable

Special Firefighting Procedures None

Unusual Fire & Explosion Hazards None

National Fire Protection Association (NFPA) - Hazard Identification

Health 1	Flammability 0	Reactivity 0	BASIS Recommended by Laidlaw
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V. HEALTH HAZARD DATA

Effects of Overexposure:

Eyes: Transient irritant.

Skin: Mild irritant to skin with prolonged contact.

Breathing: Nasal and respiratory irritation.

Swallowing: Can contribute to gastrointestinal irritation.

VARI-CLEAN INJECTION DETERGENT

First Aid Procedures:

Swallowing: Obtain medical attention.

Skin: Flush with water.

Inhalation: If affected, remove individual to fresh air.

Eyes: Flush with water for at least 15 minutes. Obtain 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: Will not occur.
Stability: Stable.
Incompatibility: Not applicable.
Hazardous Decomposition Products: None.

VII. SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled:
Flush with water. Check local, state and federal regulations before disposing of product.

VIII. PROTECTION AND PRECAUTIONS

Respiratory Protection: None required.

Ventilation: Provide sufficient ventilation to maintain exposure below TLV.
Protective Gloves: Not applicable.
Eye Protection: Chemical splash goggles are advised.
Other Protective Equipment: Not necessary.

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.
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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.