MATERIAL SAFETY DATA SHEET

PRODUCT **Vari-Clean Injection Detergent**

Laidlaw Division of Adco

HMIS HAZARD RATINGS‡

Health	1
Flammability	1
Physical hazards	0

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: Cationic detergent
Synonyms: None

SECTION 2: HAZARDOUS INGREDIENTS

Chemical Name	%	CAS #	OSHA PEL	LD 50
Hexylene glycol	15-20	107-41-5	25 ppm TWA	oral: 3.7 g/kg (rat)
				dermal: 12.0 g/kg (rabbit)

SECTION 3: PHYSICAL DATA

Appearance: Light yellow liquid
Odor: Bland
Specific Gravity (20° C): 1.00
pH (20:80 in IPA/H_20 Soln.): 7-8
Boiling Point: No data
Solubility in Water: Insoluble
Vapor Pressure (mm Hg): No data
Vapor Density: No data

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method)(°F): None @ 230 (PM)
Upper Flammable Limit: No data
Lower Flammable Limit: No data
Extinguishing Media: Compatible with all types.
Special Fire Fighting Procedures: Avoid directing strong stream into material - may cause foaming.

Unusual Fire and Explosion Hazards: Exposure to fire or extremely high temperatures may produce noxious, irritating or toxic fumes.

SECTION 5: REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Storage at temperatures above 120°F (48.8°C)

Incompatibility (materials to avoid): Strong oxidizers or alkalis
Hazardous Decomposition Products: Burning produces toxic, irritating fumes.
Hazardous Polymerization: Will not occur

SECTION 6: HEALTH HAZARD DATA

Toxicity (Estimated): Low

Effects of Overexposure:
Acute: May cause drying or irritation if splashed into eyes or on prolonged or repeated contact with skin.
Chronic: None known.

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	IRRITANCY OF PRODUCT	SENSITIZATION TO PRODUCT	CARCINOGENICITY
25 ppm TWA (hexylene glycol)	Slight eye and skin	None reported	No components are listed by ACGIH, IARC, or OSHA
TERATOGENICITY	REPRODUCTIVE TOXICITY	MUTAGENICITY	SYNERGISTIC PRODUCTS
No effects reported	No effects reported	None reported	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.

Ventilation: Normal industrial ventilation is adequate.

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 or lined metal containers. Use plastic or stainless steel drum pump.

SPILL OR LEAK PROCEDURES: Soak up spills on absorbent material and transfer to containers for disposal as nonhazardous waste.

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

RECOMMENDED PRECAUTIONARY LABELING:

CAUTION:

Splashing into eyes, 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. 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 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

Prepared by: Julie D. Hirner

Julie D. Hirner

Date: January 30, 2008

Replaces MSDS of: June 1, 2007