

MATERIAL SAFETY DATA SHEET

PRODUCT Normandy

Laidlaw

HMIS HAZARD RATINGS:

Health 1
Flammability 2
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 injection detergent
Synonyms: _____

SECTION 2: HAZARDOUS INGREDIENTS

Chemical Name	%	CAS #	OSHA PEL	LD 50
Hexylene glycol	<10	107-41-5	25 ppm TWA	oral: 3.7 g/kg (rat) dermal: 12.0 g/kg (rabbit)
Isopropyl alcohol	<5	67-63-0	400 ppm TWA	oral: 4.7 g/kg (rat) dermal: 12.87 g/kg (rabbit)
Sodium hydroxide	<2	1310-73-2	2 mg/m ³ TWA	oral: 500 mg/kg (rat)

SECTION 3: PHYSICAL DATA

Appearance: <u>Yellow liquid</u>	Boiling Point: <u>No data</u>
Odor: <u>Bland</u>	Solubility in Water: <u>Insoluble</u>
Specific Gravity (20° C): <u>1.020</u>	Vapor Pressure (mm Hg): <u>No data</u>
pH (5% Aqueous Soln.): <u>5.5-6.5</u>	Vapor Density: <u>No data</u>

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method)(°F): <u>131 (PM)</u>	Upper Flammable Limit: <u>No data</u>
Extinguishing Media: <u>Compatible with all types</u>	Lower Flammable Limit: <u>No data</u>
Special Fire Fighting Procedures: <u>Cool fire exposed containers with water spray.</u>	
Unusual Fire and Explosion Hazards: <u>Vapors may form combustible mixture with air.</u>	

SECTION 5: REACTIVITY DATA

Stability: <u>Stable</u>	Conditions to Avoid: <u>High heat</u>
Incompatibility (materials to avoid): <u>Strong oxidizers</u>	
Hazardous Decomposition Products: <u>Burning produces toxic fumes</u>	
Hazardous Polymerization: <u>Will not occur</u>	

SECTION 6: HEALTH HAZARD DATA

Toxicity (Estimated): <u>Low</u>	
Effects of Overexposure:	Acute: <u>Causes drying and irritation in eyes or on prolonged or repeated contact with skin.</u>
	Chronic: <u>None known</u>
Carcinogenicity: <u>None of the ingredients of this mixture have been identified as a carcinogen or probable carcinogen by ACGIH, IARC, or OSHA.</u>	

[†]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 25 ppm TWA (hexylene glycol), 400 ppm TWA (isopropyl alcohol)	IRRITANCY OF PRODUCT Slight eye and 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.

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

RECOMMENDED PRECAUTIONARY LABELING:

CAUTION:

Use with adequate ventilation. Avoid prolonged breathing of vapors. Keep away from heat and open flames. Avoid contact with skin and eyes.

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: 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

Prepared by: Julie D. Hirner

Julie D. Hirner

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