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Date Signed: 3-1-04

Transportation: Chemtrec

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**MATERIAL SAFETY DATA SHEET**

**I. IDENTIFICATION**

PRODUCT NAME: Klean 'N Size  
CHEMICAL NAME: Anionic Detergent and Sizing  
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
Mineral Spirits	64742-88-7	100 ppm	100 ppm	50.0%
Aromatic 150	64742-95-6	100 ppm	100 ppm	2.0%

D.O.T. Hazard Classification: Combustible Liquid NOS (Contains Petroleum Distillates), NA 1993, PG III

Hazardous Materials Identification System (HMIS)

Health	Flammability	Reactivity	BASIS
<u>1</u>	<u>1</u>	<u>1</u>	<u>Recommended by Laidlaw</u>
<u>TLV for Total Product</u>			<u>BASIS</u>
<u>225 ppm</u>			<u>Calculated TLV REF ACGIH</u>

**III. PHYSICAL DATA**

Boiling Point 285°F Vapor Density Not determined.  
Vapor Pressure Not determined. Percent Volatiles 75.0%  
Specific Gravity 0.8800 Evaporation Rate Not determined.

**IV. FIRE AND EXPLOSION DATA**

Flash Point (°F TCC) 171°F  
Extinguishing Media Alcohol foam, water fog or dry chemical.

Special Firefighting Procedures Self-contained breathing apparatus with full facepiece operated in positive pressure mode.

Unusual Fire & Explosion Hazards Vapors can be ignited by high energy source or other ignition sources at location distant from handling point.

National Fire Protection Association (NFPA) - Hazard Identification

Health	Flammability	Reactivity	BASIS
<u>1</u>	<u>1</u>	<u>1</u>	<u>Recommended by Laidlaw</u>

**V. HEALTH HAZARD DATA**

Effects of Overexposure:

Eyes: Can cause severe irritation.

Skin: Prolonged or repeated contact may cause moderate irritation.

Breathing: Excessive inhalation of vapors may cause nasal and respiratory irritation.

Swallowing: Can cause gastrointestinal irritation. Aspiration of material into lungs can cause chemical pneumonitis, which can be fatal.

KLEAN 'N SIZE

First Aid Procedures:

- Swallowing: Do not induce vomiting; get medical attention.
- Skin: Wash with soap and water.
- Inhalation: Remove individual to fresh air.
- Eyes: Flush with copious amounts of water.

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. Keep away from children.

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**VI. REACTIVITY DATA**

- Hazardous Polymerization: Cannot occur.
- Stability: Stable.
- Incompatibility: Avoid strong oxidizing agents.
- Hazardous Decomposition Products: May form toxic materials at high temperatures.

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**VII. SPILL OR LEAK PROCEDURES**

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

Absorb on absorbent material. Dispose of in accordance with local, state and federal regulations. Keep out of water supply. Check local regulations before placing in sewage system.

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**VIII. PROTECTION AND PRECAUTIONS**

Respiratory Protection: Use approved vapor respirator if needed.

Ventilation: Provide sufficient ventilation to maintain exposure below TLV.

Protective Gloves: Not necessary.

Eye Protection: Use splash goggles or faceshield when eye contact may occur.

Other Protective Equipment: None.

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**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.