

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND DOCUMENT IDENTIFICATION

Product Identity: White Liniment

Product Code: WL, 007-40

Manufactured by: Radix Laboratories, Inc.
1334 International Drive
Eau Claire, WI 54701

Emergency Telephone: (800) 424-9300

Information Telephone: (715) 833-0644

Date Prepared: May, 6, 2013

Contact: Radix Laboratories Inc.

Replaces issue of: N/A

Prepared By: Terry Krueger

2. IDENTIFICATION OF SIGNIFICANT CHEMICAL COMPONENTS:

<u>Component</u>	<u>CAS NO.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>mg/mL</u>
Ammonium Hydroxide	1336-21-6	N/A	N/A	N/A
Ammonium Chloride	12125-02-9	N/A	N/A	N/A
Turpentine Gum Spirit	9005-90-7	N/A	N/A	N/A
Camphor	76-22-2	N/A	N/A	N/A
Propylene Glycol	57-55-6	N/A	N/A	N/A
Emmolient Base	N/A	N/A	N/A	N/A

3. FIRE/EXPLOSION HAZARDS:

Flash Point (Method Used): Unknown

Flammable Limits: Unknown

Extinguishing Media: Dry chemical/CO₂. Water Fog. Do not use direct water stream.

Special Fire Fighting Procedures: Usual fire fighting equipment including self-contained breathing apparatus. Contains flammable fats/oils.

Unusual Fire and Explosion Hazards: None

4. FIRST-AID MEASURES:

Signs and Symptoms of Exposure: Ingestion of even small amounts may cause nausea/vomiting.

If inhaled stimulates nausea, overstimulates mucous glands.

Medical Conditions Generally Aggravated by Exposure: Dermatitis

Emergency and First Aid Procedures: Treat Symptomatically

SKIN: If exposed excessively, or beyond instructions, wipe excess off, then wash with soap and water, Remove contaminated clothing.

EYES: Wipe excess off with gauze. Then use gentle shampoo to avoid irritation from soaps.

INGESTION: Seek medical attention and/or poison control center immediately.

INHAHALTION: Remove to fresh air. Seek medical attention if patient seems disoriented.

5. PRECAUTIONS FOR SAFE HANDLING AND USE:

Clean up of Released/Spilled Material: Ventilate area of spill, collect material for disposal. Wear protective equipment during clean up. After clean up, flush area with soapy water and then rinse.

Waste Disposal Method: Dispose as non-hazardous waste at facility operating in compliance with applicable federal, state and local regulations.

Handling and Storing Precautions: Store at room temperature. Avoid extremes in temperature. Handle to avoid breakage or spillage. Store out of reach of children.

Other Precautions: Avoid contact with eyes. Avoid ingestion.

Dilution Safety Precautions: Use in accordance with labeling. Do not attempt to dilute.

6. EXPOSURE CONTROL MEASURES:

Respiratory Protection: Not normally required, but user will have some discomfort from odor.

Ventilation: Local exhaust should be provided. Use odor as exposure control indicator.

Protective Clothing or Equipment: Impervious gloves, goggles, lab coat or similar clothing.

Work/Hygienic Practices: Use only as directed on label. Avoid contact with eyes, skin, mucous membranes. Avoid ingestion. Wash hands and face before eating, drinking or smoking.

7. PHYSICAL/CHEMICAL CHARACTERISTICS:

Boiling Point: N/A

Specific Gravity (20°C): N/A

Vapor Pressure (mm Hg, 20°C): Unknown

Evaporation Rate: N/A

Vapor Density (Air = 1): Unknown

(Butyl Acetate = 1)

Freezing Point: N/A

Autoignition: Unknown

Solubility in Water: Not water soluble

pH: 9.0 – 10.0

Appearance and Odor: Opaque white liquid with strong volatile odor.

8. REACTIVITY INFORMATION:

Stability: Stable

Conditions to Avoid: Temperature extremes. Avoid storage in direct sunlight.

Incompatibility (Materials to Avoid): Oxidizing Agents, Acids, Alkalies

Hazardous Decomposition or Byproducts: carbon oxides, nitrogen oxides

Hazardous Polymerization: Will not occur

9. TOXICOLOGICAL HAZARD INFORMATION:

Route(s) of Entry: Ingestion, skin, eyes, lungs.

Health Hazards (Acute and Chronic): Irritation to eyes may occur on contact. Ingestion may cause nausea/vomiting.

Carcinogenicity: None, also nonmutagenic

Oral (Mammalian) LD50: 1000mg/kg

Fumes from ammonia are expected to be less lethal than other ingredients.