

MATERIAL SAFETY DATA SHEET - WHITE LINIMENT

SECTION 1 - PRODUCT INFORMATION

PRODUCT NAME-IDENTITY: White Liniment

CHEMICAL FAMILY: Rubefacient - Liniment

D.O.T. HAZARD CLASSIFICATION: Not considered hazardous

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SECTION 2 - HAZARDOUS INGREDIENT IDENTITY INFORMATION

HAZARDOUS COMPONENTS (Specific Chemical Identity, Common Names): None hazardous: Significant ingredients: Turpentine (6.0%), Stronger Ammonia Water (4%), Ammonium Chloride (1.5%) and Campher (1.0%).

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT:

VAPOR PRESSURE (mm Hg):

VAPOR DENSITY (Air = 1):

SOLUBILITY IN WATER:

Ph:

SPECIFIC GRAVITY:

MELTING POINT:

EVAPORATION RATE (Butyl Acetate =1):

APPEARANCE AND ODOR: Opaque, white liquid emulsion with Ammonia odor.

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used):

FLAMMABLE LIMIT:

LEL:

UEL:

EXTINGUISHING MEDIA: Water spray, dry chemical, Carbon Dioxide and foam.

SPECIAL FIREFIGHTING PROCEDURE: Wear self-contained breathing apparatus. Use water spray to cool nearby containers and structures exposed to fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Flammable ammonia gas will be liberated at all temperatures which can be explosive under some conditions. Under fire conditions, material can emit toxic fumes of HCL, Ammonia and Nitrogen Oxides.

SECTION 5 - REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Strong Mineral Acids, Oxidizing Agents, heat, sparks and open flames.

HAZARDOUS DECOMPOSITION OF BYPRODUCTS: Burning may emit toxic materials including Ammonia gas, Carbon Dioxide, Carbon Monoxide and smoke.

INCOMPATIBILITY (Materials to Avoid): Strong Mineral Acids and Oxidizing Agents.

HAZARDOUS POLYMERIZATION:

CONDITIONS TO AVOID:

SECTION 6 - HEALTH HAZARD DATA

ROUTES OF ENTRY: Skin, eyes, inhalation, ingestion

HEALTH HAZARD (Acute & Chronic): SKIN/EYES: Irritant to eyes and mucous membranes.

INHALATION: Headaches and dizziness. INGESTION: Large amounts may cause excitement, delirium, unconsciousness and convulsions.

CARCINOGENICITY:

TOXICITY: Not established. Oral toxicity in rats probably less than 350 mg/kg.

SIGNS AND SYMPTOMS OF EXPOSURE: SKIN/EYES: Irritation. INHALATION:

Headaches and dizziness. INGESTION: Delirium, unconsciousness and convulsions.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

EMERGENCY & FIRST AID PROCEDURES: SKIN/EYES: Flush with large amounts of water. INHALATION: Provide fresh air. Give oxygen if necessary. INGESTION: Give 2 glasses of water and seek medical attention. Do NOT induce vomiting.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Eliminate ignition sources. For small spills, flush away with water. For large spills, wear protective clothing including rubber boots, gloves and self-contained breathing apparatus. Absorb liquid on clay or sand and shovel into DOT approved containers. Flush area with detergent and water.

WASTE DISPOSAL METHOD: Incineration or sanitary landfill following local, state and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

OTHER PRECAUTIONS: Keep containers tightly closed to avoid vapor concentrations. Store in well ventilated areas.

SECTION 8 - CONTROL & SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: None needed with normal use. Self-contained respirators if large vapor concentrations.

VENTILATION: Local Exhaust: ; Mechanical: ; Special:

PROTECTIVE GLOVES: Rubber

EYE PROTECTION: Goggles

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eye Wash stations or emergency showers.

WORK/HYGENIC PRACTICES:

OTHER:

The above information is believed to be accurate and represents the best information available to us at the time this Material Safety Data Sheet was prepared. The information is provided to our customers in good faith; however, no warranty, expressed or implied, is made.