Material Safety Data Sheet

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EMERGENCY OVERVIEW - This material is irritating to eyes, mucous membranes and respiratory tract.

SECTION 1 - IDENTIFICATION

Common Name: Benzyl Benzoate
Synonym: Benzoic acid, benzyl ester
Chemical Name: Benzoic acid, phenylmethyl ester
CAS Number: 120-51-4
RTECS Number: DG4200000
Chemical Family: An Ester
Therapeutic Category: Scabicide; pediculicide

SECTION 2 - INGREDIENT INFORMATION

<table>
<thead>
<tr>
<th>Principle Components</th>
<th>Percent</th>
<th>Exposure Limits</th>
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<tbody>
<tr>
<td>Benzyl Benzoate Pure Material</td>
<td>n/f</td>
<td>n/f</td>
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SECTION 3 - HEALTH HAZARD INFORMATION

Usual Adult Dose: The usual adult dose of benzyl benzoate (as a 25% lotion) is a single application to all skin from the neck down.

Adverse Effects: Adverse effects from ingestion may include a sharp, burning taste, progressive incoordination, excitation, and convulsions. Possible allergic reaction to material if inhaled, ingested or in contact with skin.

Overdose Effects: n/f
Acute: Eye, skin, gastrointestinal and/or respiratory tract irritation.
BENZYL BENZOATE

Package Size: 5 g
Catalog Number: 1062008
Revision Date: September 17, 2001

Chronic: Possible hypersensitization, confusion, lack of muscle coordination, seizures, toxic hepatitis and coma.
Inhalation: Causes irritation. Avoid inhalation. Remove to fresh air.
Eye: Causes irritation. Avoid eye contact! Flush with copious quantities of tepid water for 15 minutes.
Skin: May cause irritation and toxicity. This material can be absorbed through intact skin. Flush with copious quantities of soap and water.
Ingestion: Causes irritation and may be harmful if swallowed. Flush out mouth with water and seek medical attention.

Aggravated by Exposure: Hypersensitivity to material, dermatitis, and cuts or sores on skin or scalp.

Cross Sensitivity: n/f

Pregnancy Comments: There have been no well-controlled pregnancy studies with benzyl benzoate in humans, but limited animal studies have not shown that this material has adverse effects on the fetus.
Pregnancy Category: n/f

SECTION 4 - FIRST AID MEASURES

General: Remove from exposure. Remove contaminated clothing. Persons developing serious hypersensitivity (anaphylactic) reactions must receive immediate medical attention. If person is not breathing give artificial respiration. If breathing is difficult give oxygen. Obtain medical attention.

Overdose Treatment: Treat overdose symptomatically. If ingested, perform gastric lavage as soon as possible.

SECTION 5 - TOXICOLOGICAL INFORMATION

Oral Rat: LD50: 1700 mg/kg
Oral Mouse: LD50: 1400 mg/kg
Irritancy Data: n/f
Target Organ(s): Central nervous system.

Listed as a Carcinogen? NTP: No IARC: No OSHA: No Other: No

SECTION 6 - FIREFIGHTING MEASURES

Flash Point: 148° C (CC)
Auto-Ignition Temperature: 480° C
Extinguisher Media: Water spray, dry chemical, carbon dioxide or foam as appropriate for surrounding fire and materials.
Fire and Explosion Hazards: This material is combustible.
Firefighting Procedures: As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing.

SECTION 7 - PHYSICAL HAZARDS

Conditions to Avoid: Avoid exposure to light and excessive heat.
Incompatibilities: Oxidizing materials, reducing agents, acids and bases.
Decomposition Products: When heated to decomposition material emits acrid smoke and irritating fumes. Emits toxic fumes.
BENZYL BENZOATE

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Stable? Yes Hazardous Polymerization? No

SECTION 8 - HANDLING / SPILL / DISPOSAL MEASURES

Handling: As a general rule, when handling USP Reference Standards avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Wash thoroughly after handling.

Storage: Store in tight, light-resistant container as defined in the USP-NF. This material should be handled and stored per label and other instructions to ensure product integrity.

Spill Response: Wear approved respiratory protection, chemically compatible gloves and protective clothing. Wipe up spillage or collect spillage using a high efficiency vacuum cleaner. If a large quantity is spilled, absorb onto sawdust or vermiculite and burn in an approved incinerator. Avoid breathing vapor. Ventilate area and wash spill site. Place spillage in appropriately labelled container for disposal.

Disposal: Dispose of waste in accordance with all applicable Federal, State and local laws.

SECTION 9 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: When working with small quantities in a well-ventilated area, respiratory protection may not be required.

Ventilation: No special ventilation requirements.

Gloves: Rubber

Eye Protection: Safety Goggles

Protective Clothing: Protect exposed skin.

SECTION 10 - PHYSICAL AND CHEMICAL PROPERTIES

NOTE: The data reported below is general information, and is not specific to the USP Reference Standard Lot provided!

Appearance and Odor: Clear, colorless oily liquid; faint aromatic odor.

Melting Point: 21° C

Solubility in Water: Insoluble

Boiling Point: 323 - 324° C

Specific Gravity: 1.118

Vapor Pressure: 0.000224 mm Hg

Vapor Density: 7.31

Evaporation Rate: n/f

Reactivity in Water: n/f

% Volatile by Volume: n/f