

MATERIAL SAFETY DATA SHEET

BENZOIN COMPOUND TINCTURE

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SECTION 1 - PRODUCT IDENTIFICATION AND HAZARDOUS COMPONENTS

PRODUCT: Tincture Benzoin Compound USP

SYNONYMS: N/A

MOLECULAR FORMULA: Mixture. MOLECULAR WEIGHT: N/A

CHEMICAL FAMILY: N/A

<u>INGREDIENT (CAS #)</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Ethyl alcohol (64-17-5)	74-80	1,000 ppm	1,000 ppm
Benzoin	10	N/A	N/A
Storax	8	N/A	N/A
Tolu Balsam	4	N/A	N/A

SECTION 2 - PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT: N/A VAPOR PRESSURE: N/A

MELTING POINT: N/A VAPOR DENSITY: N/A

SPECIFIC GRAVITY: 0.870-0.885 (WATER = 1) EVAPORATION RATE: N/A (BUTYL ACETATE = 1)

WATER SOLUBILITY: Insoluble WATER REACTIVE: No.

APPEARANCE AND ODOR: Amber to brown colored liquid with a characteristic, aromatic odor.

SECTION 3 - FIRE AND EXPLOSION DATA

FLASH POINT (METHOD): 70°F (Closed cup) AUTOIGNITION TEMPERATURE: N/A

FLAMMABLE LIMITS: LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: Water mist, carbon dioxide, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should wear full protective gear including a self-contained breathing apparatus. Use liberal amounts of water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Highly flammable. May produce toxic fumes under fire conditions.

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY: Stable () Unstable ()

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid exposure to heat.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: May Occur () Will Not Occur ()

SECTION 5 - HEALTH HAZARD DATA

TOXICITY: No specific toxicology data available for this product.

CARCINOGEN LISTED BY:	NTP	Yes (<input type="checkbox"/>)	No (<input checked="" type="checkbox"/>)
	IARC	Yes (<input type="checkbox"/>)	No (<input checked="" type="checkbox"/>)
	OSHA	Yes (<input type="checkbox"/>)	No (<input checked="" type="checkbox"/>)
	Other	Yes (<input type="checkbox"/>)	No (<input checked="" type="checkbox"/>)

ROUTES OF ENTRY: Inhalation, ingestion.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

INHALATION: May cause respiratory tract irritation, headache, dizziness, and nausea.

EYE CONTACT: May cause irritation.

SKIN CONTACT: May cause irritation.

INGESTION: May cause irritation of the gastrointestinal tract, nausea, vomiting.

CHRONIC EFFECTS OF OVEREXPOSURE: May develop hypersensitivity to this material, contact dermatitis.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: Hypersensitivity to this material.

EMERGENCY FIRST AID PROCEDURES:

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention.

EYE CONTACT: Flush with water and seek medical assistance immediately.

SKIN CONTACT: Wash with soap and water. If irritation develops seek medical assistance.

INGESTION: Rinse mouth out with water and seek medical assistance or contact a poison control center immediately.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES
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RESPIRATORY PROTECTION: Use of a NIOSH/MSHA approved fume/mist respirator is recommended.

PROTECTIVE GLOVES: Rubber or latex.

EYE PROTECTION: Safety glasses or goggles. Avoid wearing contact lenses when working with this or any chemical due to the possibility of increased severity of eye damage.

VENTILATION: Explosion-proof local or mechanical ventilation is recommended.

OTHER PROTECTIVE EQUIPMENT: Appropriate laboratory apparel.

HYGIENIC WORK PRACTICES: Do not eat, drink or smoke near this material. Wash thoroughly after handling. Wash contaminated clothing before reuse.

SECTION 7 - HANDLING AND STORAGE PRECAUTIONS

HANDLING PRECAUTIONS: Avoid excessive exposure to fumes. Avoid contact with eyes or skin. Highly flammable.

STORAGE PRECAUTIONS: Store in a tight, light resistant container in a cool, dry location away from incompatible materials and ignition sources.

OTHER PRECAUTIONS: Do not eat, drink or smoke near this material.

SECTION 8 - SPILL AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL OR DISCHARGE: Wear all protective gear including respirator, gloves, goggles. Mop up spillage with absorbent material and place in a tight container for disposal. Ventilate spill area and wash down with soap and water. Wash thoroughly or shower after handling and wash all clothing and protective gear before reuse.

WASTE DISPOSAL METHOD: Incinerate or landfill according to all local, state, federal and environmental regulations.

SECTION 9 - DISCLAIMER

The information contained in this Material Safety Data Sheet has been compiled from reliable sources and is believed to be correct as of the date issued. It is the responsibility of the user to determine the appropriateness and applicability to their situation. Paddock Laboratories, Inc. disclaims any expressed or implied warranty as to the accuracy of the above information and shall not be held liable for any direct, incidental, or consequential damages from use or reliance on the above information.

DEFINITIONS OF ABBREVIATIONS USED:

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstract Service

IARC: Internal Agency for Research on Cancer

IDLH: Immediately Dangerous to Life or Health level

LD₅₀: Median Lethal Dose

N/A: Not available

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

TLV: Threshold Limit Value