

**MATERIAL SAFETY DATA SHEET  
COMPOUND BENZOIN TINCTURE B.P.**

**1. Identification of the Product and Company**

<b>Product Name:</b>	<b>COMPOUND BENZOIN TINCTURE B.P.</b>
<b>Product Code:</b>	BEN00048F
<b>Other Names:</b>	None allocated
<b>Use:</b>	Compound Benzoin Tincture is used mainly as an inhalation (5mL to 500mL of hot water) in bronchitis and acute laryngitis. It may be applied undiluted as an antiseptic and styptic to small cuts and to intact skin as a protective dressing under occlusive plasters and bandages.
<b>Company Name &amp; Contact Details</b>	Drug Information Pharmacist ORION Laboratories Pty Ltd ABN 56 009 293 136 25-29 Delawney Street, Balcatta, Western Australia 6021 AUSTRALIA <b>Telephone (all hours): +618 9441 7800</b> FREE PHONE: 1800 805 546 FREE FAX: 1800 004 110 EMAIL: customerservice@orion.net.au; WEBSITE: www.orion.net.au ORION® is a registered trademark of Orion Laboratories Pty Ltd
<b>Other Information</b>	All reasonable care has been taken to ensure information and advice contained in this data sheet is accurate at time of printing. However, Orion accepts no liability for any loss or damages suffered as a consequence of reliance on the information contained herein.

**2. Hazards Identification**

<b>Hazard Classification</b>	<b>HAZARDOUS SUBSTANCE. DANGEROUS GOOD.</b> However, the small-volume pack size (50mL) should not pose a fire risk.
<b>Risk phrase(s)</b>	R11 – Highly Flammable; R20/22 – Harmful by inhalation and if swallowed;
<b>Safety phrase(s)</b>	S2 Keep out of reach of children S7 - Keep container tightly closed S16 - Keep away from sources of ignition – no smoking S25 - Avoid contact with the eyes

**3. Composition/Information on Ingredients**

<b>Chemical Entity</b>	<b>CAS No:</b>	<b>Proportion</b>
Ethanol (alcohol)	64-17-5	>70%
Benzoin Sumatra	-	10%
Prepared Storax	-	7.5%
Tolu Balsam	-	2.5%
Aloes Cape	-	2%
Purified Water	7732-18-6	<10%

**4. First Aid Measures**

<b>Inhalation:</b>	Remove patient to fresh air. If respiratory irritation, dizziness, nausea or headache occurs, seek immediate medical attention.
<b>Ingestion:</b>	If swallowed, give large amounts of water to drink. Do not induce vomiting. Contact a doctor or Poisons Information Centre.
<b>Skin:</b>	Wash with water. If irritation occurs, seek medical advice.
<b>Eye:</b>	Hold eyelids open and flush eye with gently running water for at least 15 minutes. Seek medical attention promptly if irritation persists.
<b>Advice to Doctor:</b>	Care should be taken during emesis to prevent pulmonary aspiration of the return flow. If respiration is depressed, assisted respiration may be necessary.

## 5. Fire Fighting Measures

*Classified as 3 Flammable liquid.* Eliminate all possible sources of ignition. Ventilate area well. Contain and use an absorbent (sand, vermiculite) where appropriate. Collect and seal in properly labelled containers for disposal. Wash area down with excess water.

<b>Extinguishing Media</b>	Water fog/spray, carbon dioxide, dry chemical powder, carbon dioxide or alcohol stable foam.
<b>Hazards from Combustion products</b>	On burning may emit toxic fumes including carbon monoxide and carbon dioxide. Remove containers from path of fire. Heating can cause expansion and rupture of containers. Keep containers cool with water spray.
<b>Precautions &amp; Equipment for Fire Fighters</b>	Fire-fighters should wear self-contained breathing apparatus as exposure to vapour or combustion products is likely. Vapour is heavier than air and may travel along the ground. Distant ignition is possible.
<b>Hazchem Code</b>	2[Y]E

## 6. Accidental Release Measure

Eliminate all possible sources of ignition; take measures to prevent static discharge. Stop & contain spill; avoid entry into drains & waterways; use inert absorbent material (sand, vermiculite). Dispose all waste containers and used drums in accordance with local authority guidelines. Ventilate area well. Cleanup personnel to wear suitable respirator to minimise inhalation & protective clothing (eg gloves) to avoid skin contact.

## 7. Handling and Storage

<b>Safe Handling Practices</b>	Alcoholic solutions are highly flammable. <ul style="list-style-type: none"> <li>▪ Avoid pooling on surfaces.</li> <li>▪ Do not use near a naked flame or other ignition source.</li> </ul>
<b>Storage</b>	Should not be stored or transported with flammable gases, explosives, spontaneously combustible substances, oxidising agents or foodstuffs. Store away from sources of heat or ignition. Store in a well-ventilated area and keep containers closed when not in use to avoid evaporation. Store below 30°C.

## 8. Exposure Controls; Personal Protection

<b>Exposure Limits</b>	Ethanol 1000ppm; 100% 1880mg/m <sup>3</sup>	TWA: time weighted average airborne concentration over an eight-hour day, for a five-day working week over an entire working life.
<b>Engineering Controls</b>	Respiratory protection is not necessary under normal circumstances. Maintain concentration below recommended exposure limit & use with adequate ventilation at all times.	
<b>Personal Protection</b>	Avoid contact with eyes. If spillage or splashing is likely to occur during handling, wear safety spectacles (AS/NZS 1336). Wash hands before smoking, eating, drinking or using the toilet. Do not smoke.	

## 9. Physical and Chemical Properties

<b>Appearance:</b>	A dark brown alcoholic liquid.		
<b>pH:</b>	Not known	<b>Flash point</b>	21°C (closed cup)
<b>Vapour Pressure:</b>	Not known	<b>Solubility:</b>	Miscible
<b>Vapour Density:</b>	Not known	<b>Specific Gravity or Density:</b>	0.880 – 03910 g/mL
<b>Boiling Point:</b>	Not known	<b>Percent Volatiles</b>	70v/v

## 10. Stability and Reactivity

<b>Chemical Stability:</b>	Stable	<b>Incompatible Materials:</b>	Oxidizing agents
<b>Hazardous Polymerisation:</b>	Will not occur		
<b>Conditions to Avoid:</b>	Heat, sparks, flame and build-up of electricity.		
<b>Hazardous Decomposition:</b>	Burning can produce carbon monoxide and/or carbon dioxide		

### 11. Toxicological Information

**Inhalation:** Chronic exposure to the vapour may result in headaches and dizziness.  
**Ingestion:** Ingestion can lead to dizziness, headache and central nervous system depression.  
**Skin:** Repeated or prolonged skin contact may cause irritation, redness or dermatitis.  
**Eye:** Irritating to the eyes. May cause injury or redness.  
**Chronic:** Prolonged overexposure to ethanol may cause liver damage. Ethanol has been found to cause adverse reproductive effects in humans.  
**Carcinogenicity:** None of the components is listed as a carcinogen or suspected carcinogen by IARC, NTP or OSHA.

### 12. Ecological Information

**Mobility in Soil:** Not known.  
**Persistence and Degradability:** No data available; Degree of elimination (ethanol 100%) 94%  
**Ecotoxicity:** (Ethanol) Toxicity to fish: > 1000mg/l/48h.

### 13. Disposal Considerations

**Disposal Methods & Containers:** Wash empty containers with water.  
Waste material may be incinerated under controlled conditions where permitted. Refer to local Waste Management Authority Regulations for other approved methods. Empty containers should be decontaminated by rinsing with water prior to disposal.

### 14. Transport Information

**UN Number:** The individual pack (50mL) is not considered to be dangerous for the purposes of transport and storage. However, a shipping carton of 20 units is classified as UN number 1170, dangerous substance for the purpose of transport. Refer to appropriate State Regulations for storage and transport requirements.  
**UN Proper Shipping Name:** Ethanol Solutions  
**DG Class & Packing Group:** Classified as Flammable Liquid class 3, PG II.  
**Hazchem Code:** 2[Y]E

### 15. Regulatory Information

**Poisons Schedule:** Not scheduled  
**Classification:** Hazardous according to criteria of NOHSC.  
Dangerous Good according to criteria of the ADG Code.

### 16. Other Information

**References:** *Ethanol MSDS-022 issued 10 August 2010* Sucrogen bioethanol

Checked by: Anna McLean	Date: November 2010
Approved by: Robert Kimpton	Date: November 2010

#### Revision Information

Date	Document	Superseded Document	Revision Information
14/11/2007	BEN00048_07 November 2007	BEN00048_6 August 2006	Name change (formerly Benzoin Compound Tincture BP)
14/11/2010	BEN00048_08 November 2010	BEN00048_07 November 2007	General review

END OF MSDS