



## CERTIFICATE OF ANALYSIS

### BENZOIN TINCTURE

**Batch No.: 4389904**

Best Before: March 2023

Analysis Description	Minimum Value	Maximum Value	Result	Compliance
Appearance			Clear mobile liquid	Pass
Colour			Yellow to Brown	Pass
Odour			Characteristic	Pass
Specific Gravity at 20°C	0.818	0.858	0.839	Pass
Refractive Index at 20°C	1.361	1.401	1.382	Pass

Shelf life of this product depends very much on storage conditions, particularly temperature and exposure to light and air.

Expiry date must be considered as subjective; the expiry date given here is based on the best of our knowledge and experience of the material when stored under recommended conditions in original unopened containers.

Due to the natural ingredients contained in many of our products, there may be a slight batch to batch variation in the colour, odour or consistency. However, we ensure that this does not affect the quality and efficacy of the products in any way.

We hereby certify that the above material meets the required specification and is released for free sale.

This is a computer-generated document. No signature is required.



## DECLARATION OF ALLERGENS

### BENZOIN TINCTURE

Material	CAS Number	Total Allergen Inclusion Level (%)
ALPHA-ISOMETHYL IONONE	127-51-5	-
AMYL CINNAMAL	122-40-7	-
AMYL CINNAMYL ALCOHOL	101-85-9	-
ANISE ALCOHOL	105-13-5	-
BENZYL ALCOHOL	100-51-6	-
BENZYL BENZOATE	120-51-4	0.070
BENZYL CINNAMATE	103-41-3	0.250
BENZYL SALICYLATE	118-58-1	-
BUTYLPHENYL METHYLPROPIONAL	80-54-6	-
CINNAMAL	104-55-2	-
CINNAMYL ALCOHOL	104-54-1	-
CITRAL	5392-40-5	-
CITRONELLOL	106-22-9	-
COUMARIN	91-64-5	-
EUGENOL	97-53-0	-
EVERNIA FURFURACEA EXTRACT	90028-67-4	-
EVERNIA PRUNASTRI EXTRACT	90028-68-5	-
FARNESOL	4602-84-0	-
GERANIOL	106-24-1	-
HEXYL CINNAMAL	101-86-0	-
HYDROXYCITRONELLAL	107-75-5	-
HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXYALDEHYDE	31906-04-4	-
ISO EUGENOL	97-54-1	-
LIMONENE	5989-27-5	-
LINALOOL	78-70-6	-
METHYL 2-OCTYNOATE	111-12-6	-

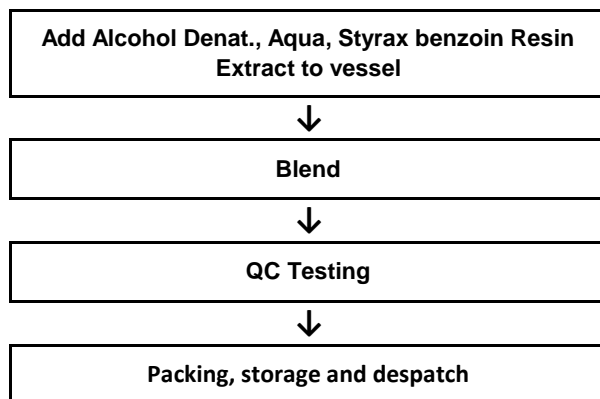
Revision Date: 12/03/2020

Revision: 1



## PRODUCTION FLOW CHART

### BENZOIN TINCTURE





## STATEMENT ON GENETICALLY MODIFIED ORGANISMS

### BENZOIN TINCTURE

We confirm to the best of our knowledge that the above product does not contain, nor has been produced with the aid of any genetically modified organism. In consequence, this product will not contain any detectable residues of protein or DNA resultant from genetic modification.



## SAFETY DATA SHEET BENZOIN TINCTURE

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name BENZOIN TINCTURE

Product number 660549

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Concentrated material for manufacturing purposes only.

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier

Madar Corporation Limited  
19 - 20 Sandleheath Industrial Estate  
Fordingbridge  
SP6 1PA

+44 (0) 1425 655 555

#### 1.4. Emergency telephone number

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

Physical hazards Flam. Liq. 2 - H225

Health hazards Eye Irrit. 2 - H319 STOT RE 2 - H373

Environmental hazards Not Classified

#### 2.2. Label elements

##### Pictogram



##### Signal word

Danger

##### Hazard statements

H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.

## BENZON TINCTURE

<b>Precautionary statements</b>	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P260 Do not breathe vapour/ spray.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p>
<b>Contains</b>	BENZOIC ACID
<b>Supplementary precautionary statements</b>	<p>P233 Keep container tightly closed.</p> <p>P240 Ground/ bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical equipment.</p> <p>P242 Use only non-sparking tools.</p> <p>P243 Take precautionary measures against static discharge.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P314 Get medical advice/ attention if you feel unwell.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>

### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

ALCOHOL			60-100%
CAS number: 64-17-5	EC number: 200-578-6	REACH registration number: 01-2119457610-43-XXXX	
Classification Flam. Liq. 2 - H225	Classification (67/548/EEC or 1999/45/EC) F; R11		
BENZOIC ACID			1-5%
CAS number: 65-85-0	EC number: 200-618-2		
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT RE 1 - H372	Classification (67/548/EEC or 1999/45/EC) T; R48/23. Xi; R41, R38		
BENZYL BENZOATE			<1%
CAS number: 120-51-4	EC number: 204-402-9	M factor (Acute) = 1	
Classification Acute Tox. 4 - H302 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) Xn; R22. N; R50, R51/53		

## BENZON TINCTURE

<b>NEROLIDOL ISOMERS</b>		<b>&lt;1%</b>
CAS number: 7212-44-4	EC number: 230-597-5	
M factor (Acute) = 1		
<b>Classification</b> Eye Irrit. 2 - H319 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		<b>Classification (67/548/EEC or 1999/45/EC)</b> Xi; R36. N; R50/53
<b>T-BUTYL ALCOHOL</b>		<b>&lt;1%</b>
CAS number: 75-65-0	EC number: 200-889-7	REACH registration number: 01-2119444321-51-XXXX
<b>Classification</b> Flam. Liq. 2 - H225 Acute Tox. 4 - H332 Eye Irrit. 2 - H319 STOT SE 3 - H335		<b>Classification (67/548/EEC or 1999/45/EC)</b> F; R11. Xn; R20. Xi; R36/37

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if symptoms are severe or persist after washing.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

#### 4.2. Most important symptoms and effects, both acute and delayed

<b>General information</b>	Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. See Section 11 for additional information on health hazards.
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#### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	No specific recommendations.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with the following media: Foam, carbon dioxide or dry powder.
<b>Unsuitable extinguishing media</b>	Water.

#### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	Toxic gases or vapours.
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## BENZOIN TINCTURE

### 5.3. Advice for firefighters

**Protective actions during firefighting** Containers close to fire should be removed or cooled with water.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. No smoking, sparks, flames or other sources of ignition near spillage.

### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Keep combustible materials away from spillage. Eliminate all sources of ignition. Provide adequate ventilation. Contain and absorb spillage with sand, earth or other non-combustible material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Wash thoroughly after dealing with a spillage.

### 6.4. Reference to other sections

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin, eyes and clothing.

**Advice on general occupational hygiene** Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight.

### 7.3. Specific end use(s)

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### ALCOHOL

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m<sup>3</sup>

##### T-BUTYL ALCOHOL

Long-term exposure limit (8-hour TWA): WEL 100 ppm 308 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 150 ppm 462 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit



## BENZOIN TINCTURE

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation.

#### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

#### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

#### Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact. Wear apron or protective clothing in case of contact.

#### Hygiene measures

No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

#### Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

#### Environmental exposure controls

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

### SECTION 9: Physical and Chemical Properties

#### 9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Yellow. to Brown.
Odour	Characteristic.
Flash point	22°C
Relative density	~ 0.838 @ 20°C

#### 9.2. Other information

Refractive index	~ 1.381 @ 20°C
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

#### 10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
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#### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Will not polymerise.
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#### 10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition.
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#### 10.5. Incompatible materials

##### Materials to avoid

Strong oxidising agents, Strong acids, Strong alkalis.  
 BiOrigins, 19-20 Sandheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK  
 Tel: 01425 655555 Email: technical@madarcorporation.co.uk

## BENZON TINCTURE

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Eye contact** Causes serious eye irritation.

**Acute and chronic health hazards** May cause damage to organs through prolonged or repeated exposure.

## SECTION 12: Ecological Information

**Ecotoxicity** The product is not expected to be hazardous to the environment.

### 12.1. Toxicity

### 12.2. Persistence and degradability

**Persistence and degradability** The product is expected to be biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product does not contain any substances expected to be bioaccumulating.

### 12.4. Mobility in soil

**Mobility** The product is miscible with water and may spread in water systems.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal methods** Dispose of waste product or used containers in accordance with local regulations

## SECTION 14: Transport information

### 14.1. UN number

UN No. (ADR/RID)	1169
UN No. (IMDG)	1169
UN No. (ICAO)	1169
UN No. (ADN)	1169

### 14.2. UN proper shipping name

Proper shipping name (ADR/RID)	EXTRACTS, AROMATIC, LIQUID
Proper shipping name (IMDG)	EXTRACTS, AROMATIC, LIQUID
Proper shipping name (ICAO)	EXTRACTS, AROMATIC, LIQUID
Proper shipping name (ADN)	EXTRACTS, AROMATIC, LIQUID

## BENZOIN TINCTURE

### 14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

#### Transport labels



### 14.4. Packing group

ADR/RID packing group	II
IMDG packing group	II
ADN packing group	II
ICAO packing group	II

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant  
No.

### 14.6. Special precautions for user

EmS	F-E, S-D
ADR transport category	2
Emergency Action Code	3YE
Hazard Identification Number (ADR/RID)	33
Tunnel restriction code	(D/E)

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Guidance	Workplace Exposure Limits EH40.

### 15.2. Chemical safety assessment

## BENZOIN TINCTURE

### SECTION 16: Other information

**Key literature references and sources for data** European Chemicals Agency, <http://echa.europa.eu/>

**Issued by** Regulatory Manager

**Revision date** 25/05/2017

**Revision** 1

**Hazard statements in full**

- H225 Highly flammable liquid and vapour.
- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H372 Causes damage to organs (Lungs) through prolonged or repeated exposure if inhaled.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.



## MATERIAL SPECIFICATION

### BENZOIN TINCTURE

Analysis Description	Minimum Value	Maximum Value	Description
Appearance			Clear mobile liquid
Colour			Yellow to Brown
Odour			Characteristic
Specific Gravity at 20°C	0.818	0.858	
Refractive Index at 20°C	1.361	1.401	

Issue Date: 24/05/17

Shelf Life: 24 Months

Revision: 1

Revision Date: 24/05/17

Shelf life of this product depends very much on storage conditions, particularly temperature and exposure to light and air. Shelf life must be considered as subjective; the shelf life given here is based on the best of our knowledge and experience of the material when stored under recommended conditions, see SDS, in original unopened containers. Due to the natural ingredients contained in many of our products, there may be a slight batch to batch variation in the colour, odour or consistency. However, we ensure that this does not affect the quality and efficacy of the the products in any way.

## DATA SHEET

### BENZOIN TINCTURE

<b>INCI name:</b>	See separate INCI doc
<b>Synonyms:</b>	-
<b>Country of Origin:</b>	Benzoin resinoid (Sumatra)/ Manufactured (UK)
<b>CAS Number:</b>	N/A - mixture
<b>EC Number:</b>	-



#### General Description

A large tropical tree up to 20 metres high with pale green citrus-like leaves, whitish underneath, bearing hard-shelled flattish fruit about the size of a nutmeg. The benzoin is a pathological product, formed when the trunk is cut; the tree exudes a balsamic resin which hardens upon exposure to air and sunlight.

#### Extraction

Styrax benzoin Resin Extract is an extract of the balsamic resin of the Benzoin, Styrax benzoin, Styracaceae and this has been blended with TSDA 1 to make it easier to handle in production.

#### Common Uses/Applications

- Aromatherapy applications.
- Fragrance component in perfumes and cosmetic products.

#### Aromatherapy Actions/Uses

- Considered to have the following properties: Analgesic, anthelmintic, anti-depressant, antiseptic (pulmonary, genitourinary), antispasmodic, antitoxic, carminative, digestive, diuretic, deodorant, febrifuge, laxative, parasiticide, rubefacient, stimulant, stomachic, tonic, vermifuge and vulnerary.
- Regarded to be helpful for: Cuts, chapped skin, inflamed and irritated conditions, Arthritis, gout, poor circulation, rheumatism, asthma, bronchitis, chills, colic, coughs, laryngitis, nervous tension and stress related complaints.

### **Animal Non-Testing Declaration**

Inovia International has never been involved in animal testing or retesting for any of its products, nor has it sanctioned any third party to conduct such testing.

### **Transmissible/ Bovine Spongiform Encephalopathy (T.S.E/B.S.E)**

This product does not contain, and is not derived from, specified risk material as defined in Commission Decision 97/534/EC or mechanically recovered meat obtained from the vertebral column of bovine, ovine or caprine animals. During production, storage and transport there is no contact with any extracts of animal (cattle, sheep, goat etc) origin and a cross contamination is excluded.

Product is therefore free from Bovine Spongiform Encephalopathy (BSE) and Transmissible Spongiform Encephalopathy (TSE).

### **Statement on Genetically Modified Organisms**

We confirm to the best of our knowledge that this product does not contain nor has been produced with the aid of any genetically modified organism. In consequence, this product will not contain any detectable residues of protein or DNA resultant from genetic modification.

### **Packaging**

Standard packaging indicated below, however other sizes available upon request.

<b>Amount</b>	<b>Packaging Type</b>
25kg	30 litre container
5kg	6 litre container
1kg	1250ml container
500g	625ml container

**The data provided in this document is meant to represent anecdotal, typical data and information for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.**

Revision Date: 12/03/2020

Revision: 0



## STATEMENT ON VEGAN SUITABILITY

### **BENZOIN TINCTURE**

We confirm to the best of our knowledge that the above product does not contain any animal substances.

During production, storage and transport there is no contact with any extracts of animal origin.

We therefore declare that the product is suitable for vegans.