

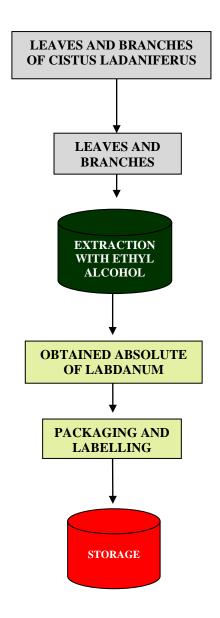
# **Certificate of Analysis**

Product Name	LABDANUM RESINOID (ABSOLUTE	LARDANUM RESINOID (ABSOLUTE)		
Product Code	OALABR			
Tariff Number	33012941			
INCI Name	Cistus ladaniferus L. var. beta maculata dun			
Batch Number	4454503			
Best Before End	December 2024			
Identification	CAS No: 84775-64-4	EINECS No: 283-893-1		
	Alternative Cas: 8016-26-0	FEMA: 2608		
	FDA: 172-510	CoE: 134n		
PHYSICAL AND CHE	MICAL CHARACTERISTIC			
	SPECIFICATION RANGE	RESULTS		
Appearance	Viscous product to solid	Conforms		
Colour	Dark brown to reddish	Conforms		
Odour	Ambery, woody, balsamic	Conforms		
Flash Point °c	>100°c	Conforms		
STORAGE				
Storage	Store in tightly closed container with minimum headspace in a cool, dark and dry place.			

DISCLAIMER: 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 users responsibility to satisfy himself as to the suitability of such information for his own particular use. Where MADAR Corporation make a declaration that allergenic material are not present in any product, this statement is made assuming reasonable levels of detection. It is impossible to guarantee the "absolute absence" of any material. It is the ultimate responsibility of the customer to ensure the safety of the intended final product containing this material, by carrying out additional tests if necessary.



# LABDANUM ABSOLUTE FLOW CHART





# **CMR STATEMENT**

IDENTIFICATION		
Product:	Labdanum Absolute	
Cas No:	84775-64-4 / 8016-26-0	
EINECS No:	283-893-1	
STATEMENT		

We, MADAR Corporation Limited, from information received from our supplier, hereby declare that the material listed above contains the following CMR substances or traces of CMR substances (Carcinogenic, Mutagenic, Toxic for reproduction) graded 1A, 1B and 2 listed below in accordance with the 1272/2008/E Regulation:

Components	% Total
Toluene	100.000ppm

20/05/2021

This document represents to the best of our knowledge and from information received from our supplier. It does not release the buyer from the obligation to carry out an examination of the goods received. All uses made by the buyer are done under their own responsibility.



# SAFETY DATA SHEET LABDANUM ABSOLUTE

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

#### 1.1. Product identifier

Product name LABDANUM ABSOLUTE

Product number LABRES1000

**CAS number** 84775-64-4

Alternative Cas Number 8016-26-10

**EC number** 283-893-1

**FEMA No:** 2608

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

Industrial, only for professional use

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

Supplier Madar Corporation Limited

19 - 20 Sandleheath Industrial Estate

Fordingbridge SP6 1PA

Tel. +44 1425 655555

e-mail technical@madarcorporation.co.uk

#### 1.4. Emergency telephone number

#### SECTION 2: Hazards identification

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

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Skin Sens. 1 - H317

Environmental hazards Aquatic Chronic 3 - H412

**Human health** May cause an allergic skin reaction.

**Environmental** Harmful to aquatic life with long lasting effects.

2.2. Label elements

**EC number** 283-893-1

#### Hazard pictograms



Signal word Warning

Hazard statements H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements P261 Avoid breathing dust.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P333+P313 If skin irritation or rash occurs: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse. P501 Dispose of contents/ container in accordance with national regulations.

Contains (R)-p-mentha-1,8-diene

Supplementary precautionary P321 Specific treatment (see medical advice on this label).

# 2.3. Other hazards

statements

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

(R)-p-mentha-1,8-diene 1-5%

CAS number: 5989-27-5 EC number: 227-813-5

M factor (Acute) = 1

#### Classification

Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 3 - H412

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

Inhalation Remove person to fresh air and keep comfortable for breathing. Get medical attention if any

discomfort continues.

Ingestion Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any

discomfort continues.

Skin contact Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention if

any discomfort continues.

Eye contact Remove any contact lenses and open eyelids wide apart. 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**Sandieneath incustrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK

#### 4.3. Indication of any immediate medical attention and special treatment needed

#### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media Use alcohol-resistant foam, carbon dioxide or dry powder to extinguish.

Unsuitable extinguishing

media

For safety reasons do not use full water jet.

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

Specific hazards In case of fire, toxic fumes like carbon monoxide and carbon dioxide may be liberated.

Burning produces heavy smoke.

#### 5.3. Advice for firefighters

Protective actions during

firefighting

Do not inhale explosion and/or combustion gases. Use self contained breathing apparatus.

Special protective equipment

for firefighters

Wear full protective clothing

#### SECTION 6: Accidental release measures

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

**Personal precautions** Provide adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours.

Wear protective clothing and gloves.

#### 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 Clean preferably with a detergent, do not use solvents. Transfer to suitable, labelled container

for disposal. Clean spillage area thoroughly with plenty of water.

#### 6.4. Reference to other sections

#### SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Usage precautions Apply good manufacturing practice and industrial hygiene practices. Keep containers sealed

when not in use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not eat, drink or smoke when using this product. Avoid inhalation of

vapours.

#### 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.

## 7.3. Specific end use(s)

# SECTION 8: Exposure controls/Personal protection

# 8.1. Control parameters

(R)-p-mentha-1,8-diene (CAS: 5989-27-5)

**DNEL** Workers - Inhalation; Long term systemic effects: 33.3 mg/m³

General population - Oral; Long term systemic effects: 4.76 mg/kg

**PNEC** - STP; 1.8 mg/l

- Soil; 0.262 mg/kg

- Fresh water; 0.0054 mg/l - marine water; 0.00054 mg/l

Sediment (Freshwater); 1.32 mg/kgSediment (Marinewater); 0.13 mg/kg

#### 8.2. Exposure controls

#### Protective equipment







**Personal protection** Slip proof shoes may be worn in event of spillage.

**Eye/face protection** Approved safety goggles.

Hand protection Chemical resistant gloves (PVC)

Other skin and body

protection

Wear apron or protective clothing in case of contact.

**Hygiene measures** Good personal hygiene procedures should be implemented.

**Respiratory protection** Generally unnecessary in a well ventilated area.

If ventilation is insufficient, respiratory protection must be worn.

**Environmental exposure** 

controls

Avoid discharging into drains.

#### SECTION 9: Physical and chemical properties

# 9.1. Information on basic physical and chemical properties

Appearance Viscous product to solid

Colour Dark brown. to Reddish.

Odour Ambery Woody Balsamic

Flash point >100°C

9.2. Other information

**Refractive index** 1.500 - 1.520 @ 20°C

**Hydrocarbon Content** 

#### SECTION 10: Stability and reactivity

# 10.1. Reactivity

**Reactivity** No hazardous reactions if stored and handled as prescribed / indicated.

10.2. Chemical stability

**Stability** Stable under the prescribed storage conditions.

#### 10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

## 10.5. Incompatible materials

Materials to avoid No information available.

10.6. Hazardous decomposition products

Hazardous decomposition Decomposition at ambient temperatures may generate the following substances: Carbon

**products** dioxide (CO2). Carbon monoxide (CO).

#### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Toxicological effects** No data available.

#### SECTION 12: Ecological information

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

#### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the

local Waste Disposal Authority.

#### SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods

(IMDG, IATA, ADR/RID).

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es)

No transport warning sign required.

#### 14.4. Packing group

Not applicable.

## 14.5. Environmental hazards

#### Environmentally hazardous substance/marine pollutant

No

# 14.6. Special precautions for user

Not applicable.

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

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

Revision date: 20/05/2021 Revision: 2 Supersedes date: 22/09/2017

#### LABDANUM ABSOLUTE

#### 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).

Guidance CHIP for everyone HSG228.

# 15.2. Chemical safety assessment

#### SECTION 16: Other information

Revision date 20/05/2021

Revision 2

Supersedes date 22/09/2017

SDS number 5045

Hazard statements in full H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

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# **Product Specification**

uct Name LABDANUM ABSOLUTE			
33012941			
Cistus ladaniferus L. var. beta maculata dun			
We hereby declare, to the best of our knowledge and from information received from our supplier, that this product is in accordance to the requirements of Articles 3 (2) (d) of Regulation (EC) 1334/2008 and therefore can be designated as natural.			
We confirm, from information received from our supplier, that this product conforms with EU Regulations and can be used in food.			
Yes	Yes		
No. Extraction in alcohol			
To the best of our knowledge and from information received from our supplier, this product does not derive from genetically modified starting raw material, or additives that are derived from genetically modified organisms.			
Obtained by extraction in solvents of the leaves and branches of Cistus ladaniferus L var beta maculata dun.			
CAS No: 84775-64-4	EINECS No: 283-893-1		
Alternative Cas: 8016-26-0	FEMA: 2608		
FDA: 172-510	CoE: 134n		
CHARACTERISTIC			
Viscous product to solid			
Dark brown to reddish			
Ambery, woody, balsamic			
1.500 - 1.520			
>100°c			
Not available			
Ethanol <1% Hexane <200ppm			
Citral (5392-40-5) <1%	Citronellol (106-22-9) <1%		
Eugenol (97-53-0) < 0.5%	Geraniol (106-24-1) <1%		
Eugenol (97-53-0) <0.5%	Citronellol (106-22-9) <1%		
Geraniol (106-24-1) <1%			
Store in tightly closed container with minimum headspace in a cool, dark and dry place			
Store in tightly closed container	with minimum headspace in a cool, dark and dry place		
	33012941 Cistus ladaniferus L. var. beta macu We hereby declare, to the best of o supplier, that this product is in acco Regulation (EC) 1334/2008 and the We confirm, from information rece Regulations and can be used in food Yes No. Extraction in alcohol To the best of our knowledge and fi does not derive from genetically me from genetically modified organisms Obtained by extraction in solvents of maculata dun.  CAS No: 84775-64-4 Alternative Cas: 8016-26-0 FDA: 172-510  CHARACTERISTIC  Viscous product to solid Dark brown to reddish Ambery, woody, balsamic 1.500 - 1.520 >100°c Not available Ethanol <1% Hexane <200ppm  Citral (5392-40-5) <1% Eugenol (97-53-0) <0.5%  Geraniol (106-24-1) <1%		

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# **Vegan & Vegetarian Statement**

IDENTIFICATION		
Product:	Labdanum Absolute	
Cas No:	84775-64-4	
EINECS No:	283-893-1	
STATEMENT		

We, Madar Corporation Limited, from information received from our supplier, hereby declare that the material listed above is compliant with a vegan or vegetarian diet.

It does not contain any animal ingredients or animal by products. No animal ingredients or by products are used in the manufacturing process.

This document represents to the best of our knowledge and from information received from our supplier. It does not release the buyer from the obligation to carry out an examination of the goods received. All uses made by the buyer are done under their own responsibility.