



CERTIFICATE OF ANALYSIS

Product: Birch Sweet

INCI Name: Betula Lenta Bark oil

CAS No: 85251-66-7 Einecs No: 286-478-3

Countries of Origin: UK

Batch Number: 4356707

Test	Result
Appearance	Mobile liquid
Colour	Colourless to pale yellow
Odour	Characteristic – medicinal
Specific Gravity at 20°C	1.172
Refractive Index at 20°C	1.534
Optical Rotation at 20°C	-12°

Storage: Keep tightly closed, in a cool dry place away from heat, sunlight and moisture.

Best Before End : April 2022

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 efficiency of the products in any way.

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



DECLARATION of ALLERGENS

Product: Birch Sweet Essential Oil

We hereby confirm that the above item contains the ingredients listed below. Stated are the total levels added plus levels from natural ingredients. The information is supplied to enable compliance with the Seventh Amendment to the EU Cosmetics Directive (76/768/EEC) and the EU Detergents Directive (648/2004/EC).

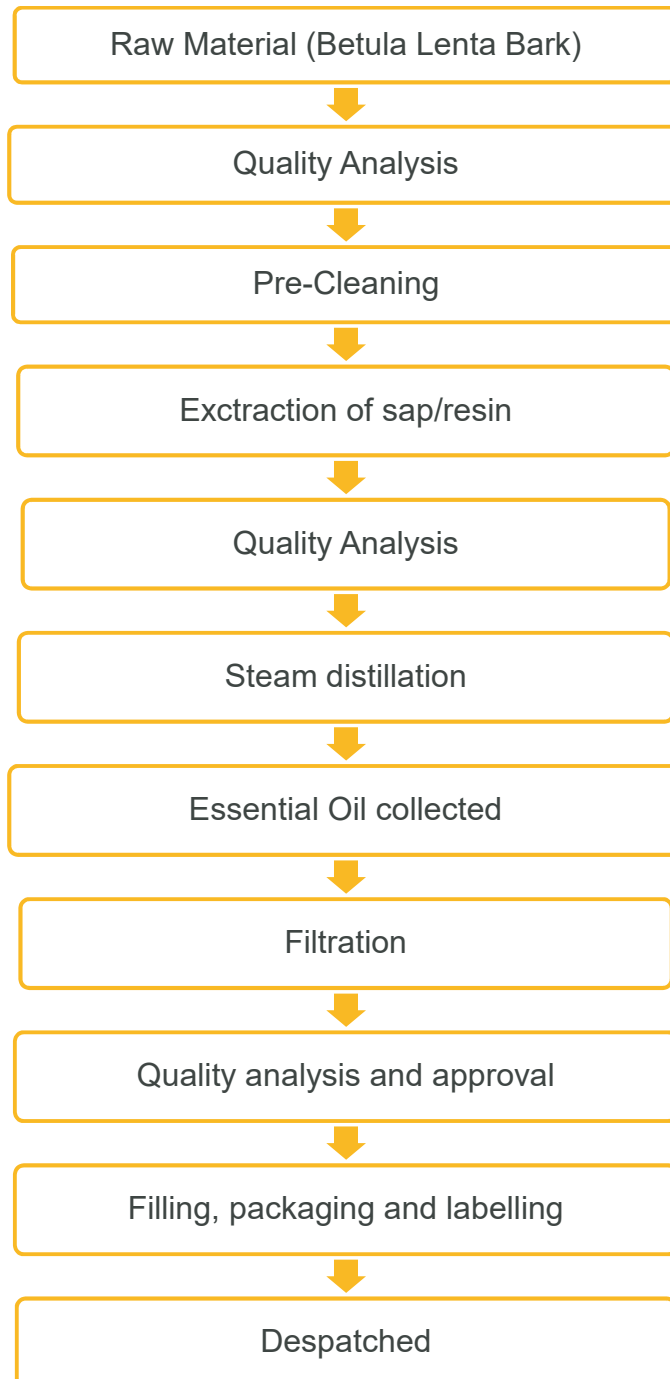
MATERIAL	CAS NUMBER	Total Allergen Inclusion Level (%)
No Fragrance allergens		0

Date Document Created: 18/02/19



Manufacturing Flow Chart

Product: Birch Sweet Essential Oil



Date Document Created: 25/02/19



IFRA CONFORMITY CERTIFICATE

Product: Sweet Birch Essential Oil

INCI: Betula Lenta Bark Oil

We hereby Certify that the above-named product is not listed in the 48th Amendment of the IFRA Code of Practice, nor any of its main components.

Its use therefore, is not restricted.

Date Document Created: 14/02/19



Product Statements

Product Name		Birch Sweet Essential Oil			
Date	27/02/19	Product Code	-	Revision	1
CAS No:	85251-66-7	EC No:	286-478-3	EINECS No:	286-478-3

Botanical Origin	Betula Lenta Bark
CITES Regulated	No
Country Of Origin	Russia
Country of Manufacture	Russia
Tariff Code	3301294100
INCI Breakdown	Betula Lenta Bark Oil
Method of manufacture	Steam Distilled of bark sap/resin
Composition	This material is 100% natural product
REACH	Reach Exempt based on Volume of <1000kg according to EU Regulation 1907/2006
Impurities	None
Preservatives	In accordance with Article 14d of the EU Cosmetics Regulation no preservatives have been used or added during production.
CMR Substances	In accordance with Article 15 of the EU Cosmetics Regulation this material does not contain any CMR substances nor were any used or added during production, other than those included on the relevant Allergens and IFRA declarations.



SVHC	This product does not contain any substances of very high concern.
Substances according to Annex II and III	This material does not contain any of the substance listed in Annex II and III of EU Cosmetics Directive, with the exception of those components listed in the EU Allergens and IFRA declarations.
Pesticides	No pesticides have been used on this product in accordance with Organic Farming Regulation.
Ionising Radiation	The product has not been treated with ionizing radiation.
Residual Solvent	No solvent used.
Colorants	In accordance with Article 14c of the EU Cosmetics Regulation no colorants were used or added during production.
Nanomaterials	In accordance with EU Cosmetics Regulation, this product does not contain nanomaterials nor have any been used or added during production.
BSE / TSE	We hereby guarantee that the products listed below do not constitute any health hazard in connection with B.S.E. / T.S.E. The basis of this claim is that the material concerned does not derive from animal origin and neither the producer nor Naissance Trading & Innovation use any extracts of animal (cattle, sheep, goat etc.) origin in the manufacture of these products and indeed do not have on site any such products for any purpose and further that the plant on which production is carried out does not have contact of any type with products of such origin.
GMO EC Regulations 1829/2003 & 1830/2003	No material of GM origin has been used at any stage of the production of this product.
Gluten Free	We hereby state and certify that this product does not contain any gluten.
Vegetarian	This material is suitable for Vegetarians.
Vegan	This material is suitable for Vegans.



Halal	This material is not certified Halal.
Kosher	This material is not certified Kosher.
Heavy Metals	Not tested routinely, but historic testing has shown results to be well within EU limits.
Animal Testing	<p>Our supplier's product are certified as not tested on animals under the Cruelty Free International Leaping Bunny programme, the international gold standard for products that are free from animal testing.</p> <p>They adhere to a fixed cut-off date policy and pro-actively monitor their suppliers to ensure that our products continue to adhere to the Leaping Bunny criteria. Theirr supplier monitoring system is also open to independent audit.</p> <p>We further declare that this material does not derive from animal source nor have animal products been used in its manufacture.</p>
Californian Proposition 65	To the best of our knowledge the following product does not contain any of the substances listed on the Californian proposition 65 restricted list.
Microbiology	Due to the nature of this product (waterless system) – no microbiological activity will be present in the oil.
Regulation 1333/2008 Food Use	Conforms to Regulation 1333/2008 and is <u>not</u> suitable for food flavouring use, subject to all the usual formulation considerations.
Regulation EC 1223/2009	We hereby confirm that this material is acceptable for use in cosmetic applications governed by Cosmetic Regulation EC 1223/2009. We further confirm this material does not contain any components indicated as prohibited and any components listed as restricted will be indicted on the corresponding Cosmetic Allergens Declaration or IFRA certificate.
UV Filter	In accordance with Article 14e of the EU Cosmetics Regulation no UV filters have been used or added during production.



Additional Information	None
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Revision Date	27/02/19
Reason for Revision	New Document
Rev No/Repl, Newly Generated	1

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

1.1. Product identifier

Product form	: Substance
Substance name	: Sweet Birch Essential Oil
Chemical name	: Betula Lenta Bark Oil
EC-No.	: 286-478-3
CAS-No.	: 85251-66-7
Other means of identification	: Betula Lenta Bark Oil is the volatile oil obtained from the bark of the Sweet Birch, Betula Lenta L., Betulaceae

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

1.2.1. Relevant identified uses

Industrial/Professional use spec	: For professional use only Industrial
Use of the substance/mixture	: Suitable for use in cosmetics, fragrances, flavourings and professional applications only
Use of the substance/mixture	: Cosmetics

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

MADAR Corporation Limited
19-20 Sandleheath Industrial Estate
Fordingbridge
Hampshire SP6 1PA
www.madarcorporation.co.uk

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity (oral), Category 4	H302
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 1	H318
Full text of H statements	: see section 16

Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. Harmful if swallowed. May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS05

GHS07

GHS09

Signal word (CLP)

: Danger

Hazard statements (CLP)

: H302 - Harmful if swallowed.
H315 - Causes skin irritation.
H318 - Causes serious eye damage.

Precautionary statements (CLP)

: P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear gloves/ protective clothing/ eye protection/ face protection..
P301+P312 - IF SWALLOWED: Call a doctor, a POISON CENTER if you feel unwell.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a doctor, a POISON CENTER.
P321 - Specific treatment (see . on this label).
P330 - Rinse mouth.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P501 - Dispose of contents to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Sweet Birch Essential Oil

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Name : Sweet Birch Essential Oil
CAS-No. : 85251-66-7
EC-No. : 286-478-3

Name	Product identifier	%
Methyl salicylate	(CAS-No.) 119-36-8 (EC-No.) 204-317-7	<= 98
Cineol	(CAS-No.) 470-67-7 (EC-No.) 207-428-9	<= 0.5

Full text of H-statements: see section 16

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact : Rinse skin with water/shower. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Get immediate medical advice/attention.

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

Symptoms/effects after inhalation : May cause respiratory irritation.
Symptoms/effects after skin contact : Irritation.
Symptoms/effects after eye contact : Eye irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Carbon dioxide. Carbon monoxide. fume.

5.3. Advice for firefighters

Precautionary measures fire : Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. Evacuate area.
Firefighting instructions : Cool laterally with water containers exposed to flames, even after the fire is extinguished. In case of fire: stop leak if safe to do so.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Remove ignition sources. Evacuate area.

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. On land, sweep or shovel into suitable containers. Minimise generation of dust. Store away from other materials.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Storage temperature : <= 25 °C

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Hand protection:

Protective gloves made of PVC

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



Environmental exposure controls:

Avoid release to the environment.

Other information:

Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Colour : Colourless to pale yellow.

Odour : characteristic.

Odour threshold : No data available

pH : No data available

Relative evaporation rate (butylacetate=1) : No data available

Melting point : Not applicable

BiOrigins, 19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK

Tel: 01425 655555 Email: technical@madarcorporation.co.uk

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Freezing point	: No data available
Boiling point	: 150 - 250 °C
Flash point	: > 96 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: ≈ 0.904 @ 20°C
Solubility	: Water: Insoluble in water Ethanol: Soluble in alcohol
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

Refractive index : ≈ 1.476

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapour.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Strong bases. Strong acids. Oxidizing agent.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Methyl salicylate (119-36-8)

LD50 oral rat	0.7 - 2.8 g/kg
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified

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Methyl salicylate (119-36-8)	
EC50 Daphnia 1	50 mg/l Daphnia magna

12.2. Persistence and degradability

Methyl salicylate (119-36-8)	
Persistence and degradability	Not established.

Cineol (470-67-7)	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Methyl salicylate (119-36-8)	
Bioaccumulative potential	Not established.

Cineol (470-67-7)	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information : Flammable vapours may accumulate in the container.

SECTION 14: Transport information

In accordance with ADR

ADR	
14.1. UN number	Not regulated
14.2. UN proper shipping name	Not regulated
14.3. Transport hazard class(es)	Not regulated
14.4. Packing group	Not regulated
14.5. Environmental hazards	Not regulated

No supplementary information available

14.6. Special precautions for user

Overland transport

Not regulated

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Sweet Birch Essential Oil is not on the REACH Candidate List

BiOrigins, 19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Sweet Birch Essential Oil is not on the REACH Annex XIV List

Sweet Birch Essential Oil is not subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Sweet Birch Essential Oil is not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product



Specification Sheet

Product: Birch Sweet Essential Oil

INCI: Betula Lenta Bark Oil

CAS no: 85251-66-7

EC no: 286-478-3

Country of Origin: Russia

Description: Betula Lenta Bark Oil is the volatile oil obtained from the bark of the Sweet Birch, Betula lenta L., Betulaceae.

Appearance: Liquid

Colour: Colourless to pale yellow

Odour: Characteristic

Specific Gravity at 20°C: 1.150 - 1.200

Refractive Index at 20°C: 1.520 – 1.550

Optical Rotation at 20°C: 1.520 – 1.550

Storage: Store product in full, tightly closed containers in a cool dry place away from heat and sunlight.

Date Document Created: 11/03/19