

Certificate of Analysis

Product Description:	Star Anise Oil, Organic	INCI Name:	Illicium Verum Fruit Oil
EINECS Number:	283-518-1	CAS Number:	68952-43-2
Batch No:	4302905	Best Before End:	October 2020

Analytical Details	Result
Appearance	Pale yellow to amber liquid
Odour	Characteristic
Specific Gravity @ 20°C	0.980
Refractive index @ 20°C	1.554
Optical Rotation	+0.68



Allergen Statement

Product: Star Anise Oil, Organic

INCI Name: Illicium Verum Fruit Oil

From The 7th Amendment to the Cosmetic Directive of the European Union (EU) – Annex III 26
Fragrance Allergens

Annex III Ref:	Material:	CAS No:	Total Allergen Inclusion Level (%)
67	AMYL CINNAMAL	122-40-7	0
68	BENZYL ALCOHOL	100-51-6	0
69	CINNAMYL ALCOHOL	104-54-1	0
70	CITRAL	5392-40-5	0
71	EUGENOL	97-53-0	0
72	HYDROXY-CITRONELLAL	107-75-5	0
73	ISOEUGENOL	97-54-1	0
74	AMYL CIN-NAMYL ALCOHOL	101-85-9	0
75	BENZYL SALICYLATE	118-58-1	0
76	CINNAMAL	104-55-2	0
77	COUMARIN	91-64-5	0
78	GERANIOL	106-24-1	0
79	HYDROXY-METHYLPENTYL CYCLOHEXENECARBOXALDEHYDE	31906-04-4	0
80	ANISE ALCOHOL	105-13-5	0
81	BENZYL CINNAMATE	103-41-3	0
82	FARNESOL	4602-84-0	0
83	BUTYLPHENYL METHYLPROPIONAL	80-54-6	0
84	LINALOOL	78-70-6	≤5.0
85	BENZYL BENZOATE	120-51-4	0
86	CITRONELLOL	106-22-9	0
87	HEXYL CINNAM-ALDEHYDE	101-86-0	0
88	LIMONENE	5989-27-5	≤5.0
89	METHYL HEPTIN CARBONATE	111-12-6	0
90	ALPHA-ISOMETHYL IONONE	127-51-5	0
91	EVERNIA PRUNASTRI EXTRACT	90028-68-5	0
92	EVERNIA FURFURACEA EXTRACT	90028-67-4	0



IFRA Conformity Certificate

Internal Code	R00592
Product Name	Star Anise Oil, Organic
INCI	Illicium Verum Fruit Oil
CAS Number	68952-43-2
EINECS Number	283-518-1

Product Statement

We hereby certify that the above named product does not include any of the components listed in the 48th Amendment of the IFRA Code of Practice. Therefore its use is not restricted.

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.



Material Safety Data Sheet

According to EU Regulation 1907/2006

Star Anise Oil, Organic

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

1.1 Product Identifier

Product Name	Star Anise Oil, Organic				
Biological Definition	"Anise Oil". Illicium Verum Fruit Oil is an essential oil distilled from the fruits of the Star Anise, Illicium Verum, Illiciaceae				
INCI Name	Illicium Verum Fruit Oil				
Synonyms & Trade Names	Aniseed Oil, China Star				
Internal Product Code	OCSTARANIS				
CAS-No	84650-59-9	EC No.	283-518-1	EINECS No.	283-518-1

1.2 Details of the supplier of the safety data sheet

Company Identification	Madar Corporation 19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK Tel: 01425 655555 Email: technical@madarcorporation.co.uk
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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (67/548/EEC)	The full text for all Hazard Statements are displayed in Section 16.
Classification (EU 1272/2008)	Physical and Chemical Hazards: Not Classified. Human Health: Acute Tox.5, H303, Skin Irrit.3, H316, Skin Sens.1, H317, Muta.2, H341, Carc.2, H351 Environment: Aquatic Acute 3, H402, Aquatic Chronic.3, H412.

2.2 Label elements

Label in accordance with Regulation (EC) No 1272/2008

GHS Label:	  GHS07 GHS08
Signal word:	Warning
Contains	Anethol, Estragole, Limonene
Hazard Statements:	H303 May be harmful in swallowed H316 Causes mild skin irritation H317 May cause an allergic skin reaction H341 Suspected of causing genetic defects H351 Suspected of causing cancer H402 Harmful to aquatic life H412 Harmful to aquatic life with long lasting effects
Precautionary Statements:	P280 Wear protective gloves/protective clothing/eye protection/face protection P281 Use personal protection equipment as required P262 Do not get in eyes, on skin, or on clothing P363 Wash contaminated clothing before re-use
Supplementary Precautionary Statements:	P201 Obtain special instructions before use P202 Do not handle until all safety precautions have been read and understood P272 Contaminated work clothing should not be allowed out of the workplace P273 Avoid release into the environment P261 Avoid breathing vapour/spray P321 Specific treatment (see medical advice on this label) P302+P352: IF ON SKIN: Wash with plenty of soap and water. P308+313 If exposed or concerned: Get medical advice/attention P312 Call a poison centre or doctor if you feel unwell P332+313 If skin irritation occurs: Get medical advice/attention P333+P313: If skin irritation or rash occurs: Get medical advice/attention. P405 Store locked up P501 Dispose of contents/containers to...

Risk phrases and Safety phrases in full refer to *Section 16 – Other Information*

2.3 Other hazards

Adverse physio-chemical properties	No additional data available
Adverse effects on human health	No additional data available

SECTION 3: Composition/information on ingredients

3.1 Substances

87 - 100% Anethol CAS: 104-46-1 EC: 203-205-5
Classification (EC 1272/2008) Skin Sens. 1 – H317, Aquatic Chronic 2 – H411
1.0 – 5.0% Estragol CAS: 140-67-0 EC:205-427-8
Classification (EC 1272/2008) Acute Tox. 4 – H302, Skin Sens. 1 – H317, Muta.2 -H341, Carc.2 – H351
1.0 – 5.0% Limonene CAS: 5989-27-5 EC:227-813-5
Classification (EC 1272/2008) Flam. Liq. 3 – H226, Skin Irrit. 2 – H315, Skin Sens. 1 – H317, Asp.Tox1 1 – H304 Aquatic Acute 1 – H400, Aquatic Chronic 1 – H410
1.0 – 5.0% Linalool CAS:78-70-6 EC: 201-134-4
Classification (EC 1272/2008) Acute Tox. 5 – H303, Skin Irrit. 2 – H315, Aquatic Acute 3 – H402

3.2 Mixtures

EU INCI	US INCI
N/A	N/A

SECTION 4: First aid measures

4.1 Description of first aid measures

General Information	See categories below
Inhalation	Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. Do not induce vomiting
Skin Contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Seek medical advice if irritation persists.
Eye Contact	Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention

4.2 Most important symptoms and effects, both acute and delayed

No additional data available

4.3 Indication of any immediate medical attention and special treatment needed

No additional data available

SECTION 5: Fire fighting measures

5.1 Extinguishing Media

Use CO2, Dry Powder. Do not use a direct stream of water to extinguish.

5.2 Special hazards arising from the substance or mixture.

When heated and in case of fire, toxic vapours/gases may be formed.

5.3 Advice for fire-fighters

Protective equipment for fire-fighters.

Wear self contained breathing apparatus. Wear chemical protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions

Wear protective clothing as described in Section 8 of this Safety Data Sheet.

6.2 Environmental precautions

Do not discharge into drains, water courses or onto the ground.

6.3 Methods and material for containment and cleaning up

Absorb with inert, non-combustible, inorganic absorbent material, sweep up and remove to an approved disposal container. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking.

6.4 References to other sections.

Please refer to *Section 8 - Exposure controls/personal protection* for further information on personal precautions

Please refer to *Section 13 - Disposal Considerations* for further information on waste treatment.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Avoid spilling, skin and eye contact. Adopt best manual handling considerations when handling, carrying and dispensing.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed original container, in a cool, dry & well ventilated place. Keep in original container. Keep away from heat, sparks and open flame.

7.3 Specific end use(s)

No additional data available




SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Linalool (CAS: 78-70-6)

Ingredients Comments: No exposure limits noted for ingredient.

8.2 Exposure Controls

Eye protection		Wear approved safety goggles. Eye bath.
Hand protection		Use suitable protective gloves if risk of skin contact.
Respiratory Equipment		Wear rubber apron. Wear apron or protective clothing in case of splashes.
Hygiene Measures	Remove contaminated clothing and wash the skin thoroughly with soap and water after work.	
Engineering Measures	Provide adequate ventilation. Use self-contained breathing apparatus.	

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Colour	Pale yellow to amber
Odour	Characteristic
Specific Gravity @ 20°C	0.975 – 0.994
Flash Point (°C)	N/A
Refractive Index @ 20°C	1.5525 – 1.561
Melting Point (°C)	N/A
Boiling Point (°C)	N/A
Vapour Pressure	N/A
Solubility in Water @20°C	N/A
Auto-ignition temperature (°C)	N/A

9.2 Other information

No additional data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No additional data available.

10.2 Chemical stability

Stable under the recommended handling and storage conditions.

10.3 Possibility of hazardous reactions

No additional data available.

10.4 Conditions to avoid

Heat, sparks and open flames.

10.5 Incompatible materials

Avoid contact with strong acids, alkali or oxidising agents.

10.6 Hazardous decomposition products

In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and carbon dioxide and nitrogen fumes and oxides.

SECTION 11: Toxicological information

11.1 Information on toxicological effects.

Acute toxicity:	There is no data available on this product. It must be considered and handled and should be dealt with the highest possible caution.
Skin corrosion / irritation:	No additional data available.
Serious eye damage/irritation:	No additional data available.
Respiratory or skin sensitisation:	No additional data available.
Germ cell mutagenicity:	No additional data available.
Carcinogenicity:	No additional data available.
Reproductive toxicity:	No additional data available.
STOT-single exposure:	No additional data available.
STOT-repeated exposure:	No additional data available.
Aspiration hazard:	No additional data available.
Other information:	No additional data available.

SECTION 12: Ecological information

12.1 Toxicity

No additional data available.

12.2 Persistence and degradability

No data available.

12.3 Bio-accumulative potential

No data available on bioaccumulation.

12.4 Mobility in soil

No additional data available.

12.5 Results of PBT and VPVB assessment

No additional data available.

12.6 Other adverse effects

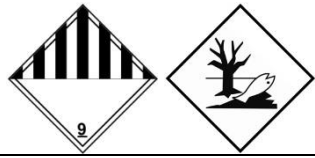
No additional data available.

SECTION 13: Disposal considerations

13.1 Waste Treatment Methods

Dispose of in compliance with all local and national regulations.

SECTION 14: Transport information

Warning Icon	
Proper Shipping Name	None
UN No. Road	None
ADR Class	Class 9
Hazard No (ADR)	No data
Hazchem Code	No data
UN No. SEA	None
IMDG Class	Class 9
IMDG Pack Gr.	Pk Gp III
EMS	F-A-S-F
UN No. AIR	None
Air Class	Class 9
Air Pack Gr.	Pk Gp III

SECTION 15: Regulatory information

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

EU Directives	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 th Dec 2006 Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European No793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Chemicals Agency, amending Directive 199/45/EC and repealing Council Regulation Council Regulation (EEC) Commission Directives 91/155/EEC, 93/67/EEC, and 93/105/EEC and 2000/21/EC including amendments.
Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply Regulations 2009 (S.I. 2009 No 716).
Approved Code of Practice	Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations
Guidance Notes	Workplace Exposure Limits EH40. CHIP for everyone HSG 108.

15.2 Chemical safety assessment

An assessment has not been executed as this is not a hazardous material according to article 31 of REACH 1907/2006.

SECTION 16: Other information

Training instructions: Refer to possible hazard before use of this product.

Abbreviations and acronyms:

MSDS	Material Safety Data Sheet
INCI	International Nomenclature of Cosmetic Ingredients
CAS	Chemical Abstract Service
IMDG	International Maritime Code for Dangerous Goods
ADR	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID	International Carriage of Dangerous Goods by Rail
ICAO	International Civil Aviation Organization
ADN	International Carriage of Dangerous Goods by Inland Waterways
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
Trem Card	Transport Emergency Card
STOT	Specific Target Organ Toxicity
N/A	Not Available
Hazard and/or Precautionary Statements in full:	H316 Causes mild skin irritation H315 Causes skin irritation H226 Flammable liquid and vapour H302 Harmful if swallowed H412 Harmful to aquatic life with long lasting effects. H402 Harmful to aquatic life H304 May be fatal if swallowed and enters effects H303 May be harmful if swallowed H317 May cause an allergic skin reaction H351 Suspected of causing cancer H341 Suspected of causing genetic defects H411 Toxic to aquatic life with long lasting effects H410 Very toxic to aquatic life with long lasting effects H400 Very toxic to aquatic life

Complies with REACH guidance for SDS as circulated by ECHA 2011.

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MATERIAL SPECIFICATION

Description: Star Anise Oil, Organic

INCI Name: Illicium Verum Fruit Oil

CAS No: 68952-43-2

EINECS No: 283-518-1

ANALYTICAL DETAILS	RANGE
APPEARANCE	Pale yellow to amber liquid
ODOUR	Characteristic
SPECIFIC GRAVITY @ 20°C	0.975 – 0.994
REFRACTIVE INDEX @ 20°C	1.5525 – 1.561
OPTICAL ROTATION @ 20°C	-2 to +2

Best Before: 36 Months from the date of manufacture