



**AMPHORA AROMATICS
LIMITED**

essential oils, skincare & aromatherapy products

SAFETY DATA SHEET

1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME: **Sandalwood Fragrance**

SUPPLIER: Amphora Aromatics Limited, Airfield House, Western Drive, Bristol, BS14 0AF

TELEPHONE: +44 (0)117-9087770.

PRODUCT NUMBER: **377**

IDENTIFIED USES: Concentrated material for manufacturing purposes only.

2: HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CLASSIFICATION (EC 1272/2008):

- PHYSICAL HAZARDS: Not Classified
- HEALTH HAZARDS: Skin Sens. 1 - H317
- ENVIRONMENTAL HAZARDS: Aquatic Chronic 2 - H411

LABEL ELEMENTS

PICTOGRAM:



SIGNAL WORD:

HAZARD STATEMENTS:

PRECAUTIONARY STATEMENTS:

SUPPLEMENTARY PRECAUTIONARY STATEMENTS:

CONTAINS:

WARNING

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

P261 Avoid breathing vapour/ spray.

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.

P501 Dispose of contents/ container in accordance with national regulations.

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

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

P362+P364 Take off contaminated clothing and wash it before reuse.

P391 Collect spillage.

HEXYL CINNAMAL, CITRONELLOL, ALPHA-ISOMETHYL IONONE, COUMARIN, 4-TERTBUTYLCYCLOHEXYL ACETATE, GERANIOL, EUGENOL, LIMONENE, CINNAMAL, METHYLCINNAMIC ALDEHYDE, PIN-2(3)-ENE (ALPHA-PINENES)



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3: COMPOSITION/INFORMATION ON INGREDIENTS

DIETHYL PHTHALATE		10-30%
CAS number: 84-66-2	EC number: 201-550-6	
Classification	Not Classified	
HEXYL CINNAMAL		1-5%
CAS number: 101-86-0	EC number: 202-983-3	
M factor (Acute)	1	
Classification	Skin Sens. 1B - H317 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411	
CITRONELLOL		1-5%
CAS number: 106-22-9	EC number: 203-375-0	
Classification	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1B - H317 Aquatic Chronic 2 - H411	
ALPHA-ISOMETHYL IONONE		1-5%
CAS number: 127-51-5	EC number: 204-846-3	
Classification	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1B - H317 Aquatic Chronic 2 - H411	
COUMARIN		1-5%
CAS number: 91-64-5	EC number: 202-086-7	
Classification	Acute Tox. 3 - H301 Skin Sens. 1B - H317	
4-TERT-BUTYLCYCLOHEXYL ACETATE		1-5%
CAS number: 32210-23-4	EC number: 250-954-9	
Classification	Skin Sens. 1B - H317	
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	
GERANIOL		<1%
CAS number: 106-24-1	EC number: 203-377-1	
Classification	Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317	
AMYL SALICYLATE		<1%
CAS number: 2050-08-0	EC number: 218-080-2	
M factor (Acute)	1	
M factor (Chronic)	1	
Classification	Acute Tox. 4 - H302 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	

SDS: 377 Sandalwood Fragrance

Compiled by: Geoffrey Harris, Quality Control - Approved by Johndan Chilcott, Regulatory Affairs – Date: 05/08/2019 -Version: 3



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EUGENOL			<1%
CAS number: 97-53-0	EC number: 202-589-1		
Classification	Eye Irrit. 2 - H319		
	Skin Sens. 1B - H317		
CEDRENE			<1%
CAS number: 11028-42-5	EC number: 234-257-7		
M factor (Acute)	10		
M factor (Chronic)	10		
Classification	Asp. Tox. 1 - H304		
	Aquatic Acute 1 - H400		
	Aquatic Chronic 1 - H410		
ALPHA-CEDRENE			<1%
CAS number: 469-61-4	EC number: 207-418-4		
M factor (Acute)	10		
M factor (Chronic)	10		
Classification	Asp. Tox. 1 - H304		
	Aquatic Acute 1 - H400		
	Aquatic Chronic 1 - H410		
LIMONENE			<1%
CAS number: 138-86-3	EC number: 205-341-0		
M factor (Acute)	1		
M factor (Chronic)	1		
Classification	Flam. Liq. 3 - H226		
	Skin Irrit. 2 - H315		
	Skin Sens. 1 - H317		
	Asp. Tox. 1 - H304		
	Aquatic Acute 1 - H400		
	Aquatic Chronic 1 - H410		
CINNAMAL			<1%
CAS number: 104-55-2	EC number: 203-213-9		
Classification	Acute Tox. 4 - H312		
	Skin Irrit. 2 - H315		
	Eye Irrit. 2 - H319		
	Skin Sens. 1A - H317		
METHYLCINNAMIC ALDEHYDE			<1%
CAS number: 101-39-3	EC number: 202-938-8		
Classification	Skin Sens. 1 - H317		
ACETYL HEXAMETHYL TETRALIN			<1%
CAS number: 1506-02-1	EC number: 216-133-4		
M factor (Acute)	1		
Classification	Acute Tox. 4 - H302		
	Aquatic Acute 1 - H400		
	Aquatic Chronic 1 - H410		



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PIN-2(3)-ENE (ALPHA-PINENES)		<1%
CAS number: 80-56-8	EC number: 201-291-9	
M factor (Acute)	1	
M factor (Chronic)	1	
Classification	Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	

ROSIN		<1%
CAS number: 8050-09-7	EC number: 232-475-7	
Classification	Skin Sens. 1 - H317	

The full text for all hazard statements is displayed in Section 16.

4: FIRST AID MEASURES

INHALATION:	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
INGESTION:	Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.
SKIN CONTACT:	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if symptoms are severe or persist after washing.
EYE CONTACT:	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.
GENERAL INFORMATION:	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.
NOTES FOR THE DOCTOR:	No specific recommendations.

5: FIREFIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Foam, carbon dioxide or dry powder.
UNSUITABLE EXTINGUISHING MEDIA:	Water.
SPECIFIC HAZARDS:	TOXIC GASES OR VAPOURS.
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.



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6: ACCIDENTAL RELEASE MEASURES

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. Do not discharge into drains or watercourses or onto the ground. 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.

ENVIRONMENT PRECAUTIONS:

METHODS FOR CLEANING UP:

7: HANDLING AND STORAGE

USAGE PRECAUTIONS:

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

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.

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.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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.



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CONTROL PARAMETERS

OCCUPATIONAL EXPOSURE LIMITS

DIETHYL PHTHALATE

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³
Short-term exposure limit (15-minute): WEL 10 mg/m³

ROSIN

Long-term exposure limit (8-hour TWA): WEL 0.05 mg/m³ fume
Short-term exposure limit (15-minute): WEL 0.15 mg/m³ fume

Sen

WEL = Workplace Exposure Limit

Sen = Capable of causing occupational asthma.

9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Liquid.
COLOUR: Colourless to Yellow.
ODOUR: Characteristic.
FLASH POINT °C: > 63
SPECIFIC GRAVITY @ 20°C: ~ 1.034
REFRACTIVE INDEX @ 20°C: ~ 1.458

10: STABILITY AND REACTIVITY

STABILITY: Stable at normal ambient temperatures.
POSSIBILITY OF HAZARDOUS REACTIONS: Will not polymerise.
CONDITIONS TO AVOID: Avoid heat, flames and other sources of ignition.
MATERIALS TO AVOID: Strong oxidising agents. Strong acids. Strong alkalis.
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

11: TOXICOLOGICAL INFORMATION

SKIN CONTACT: May cause an allergic skin reaction.

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY - ORAL

ATE oral (mg/kg) 19,403.97350993

TOXICOLOGICAL INFORMATION ON INGREDIENTS

COUMARIN

ACUTE TOXICITY - ORAL

Acute toxicity oral (LD₅₀mg/kg) 293.0
Species Rat
ATE oral (mg/kg) 293.0



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12: ECOLOGICAL INFORMATION

ECOTOXICITY:	Toxic to aquatic life with long lasting effects.
PERSISTENCE AND DEGRADABILITY:	The product contains substances which are not expected to be biodegradable.
BIOACCUMULATIVE POTENTIAL:	The product does not contain any substances expected to be bioaccumulating.
MOBILITY IN SOIL:	The product is partly miscible with water and may spread in the aquatic environment.
RESULTS OF PBT AND vPvB ASSESSMENT:	This product does not contain any substances classified as PBT or vPvB.

ECOLOGICAL INFORMATION ON INGREDIENTS

HEXYL CINNAMAL

ACUTE AQUATIC TOXICITY

LE(C) ₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1

13: DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:	Dispose of waste product or used containers in accordance with local regulations
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14: TRANSPORT INFORMATION

UN No. (ADR/RID/IMDG/ICAO/ADN):	3082
PROPER SHIPPING NAME (ADR/RID/IMDG/ICAO/ADN):	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXYL CINNAMAL, BENZYL BENZOATE, AMYL SALICYLATE)

TRANSPORT HAZARD CLASS(ES):

- ADR/RID/ADN CLASS:	9
- ADR/RID/ADN CLASSIFICATION CODE:	M6
- ADR/RID LABEL:	9
- IMDG CLASS:	9
- ICAO CLASS/DIVISION:	9
- ADN CLASS:	9



PACKING GROUP:

- ADR/RID/ADN PACKING GROUP:	III
- IMDG PACKING GROUP:	III
- ADN PACKING GROUP:	III
- ICAO PACKING GROUP:	III

ENVIRONMENTAL HAZARDS:	Environmentally hazardous substance/marine pollutant
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TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE:	Not applicable.
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SPECIAL PRECAUTIONS FOR USER

- EMS: F-A, S-F
- ADR TRANSPORT CATEGORY: 3
- EMERGENCY ACTION CODE: •3Z
- HAZARD IDENTIFICATION NUMBER (ADR/RID): 90
- TUNNEL RESTRICTION CODE: (E)

15: REGULATORY INFORMATION

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.

16: OTHER INFORMATION

KEY LITERATURE REFERENCES AND SOURCES FOR DATA

European Chemicals Agency, <http://echa.europa.eu/>

HAZARD STATEMENTS IN FULL

- H226 Flammable liquid and vapour.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- 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.

Q.C. REQUIREMENTS.

In-line with general product specification. Always satisfy suitability for specific application.
Retest after 6 months.

The data provided in this material safety data sheet is meant to represent typical data/analysis 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.