



**AMPHORA AROMATICS  
LIMITED**

**essential oils, skincare & aromatherapy products**

**SAFETY DATA SHEET**

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

PRODUCT NAME: **Yuzu Oil**

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

TELEPHONE: +44 (0)117-9087770.

PRODUCT NUMBER: **85**

CAS NUMBER: n/a

EC NUMBER: n/a

INCI: Citrus Junos Peel Oil

BIOLOGICAL DEFINITION: Citrus Junos Peel Oil is the volatile oil obtained from the peel of Citrus junos, Rutaceae.

**2: HAZARDS IDENTIFICATION**

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

**CLASSIFICATION (EC 1272/2008):**

- PHYSICAL HAZARDS: Flam.Liq.3 – H226
- HEALTH HAZARDS: Asp. Tox.1 – H304  
Skin Irrit. 2. – H315  
Skin Sens. 1 – H317
- ENVIRONMENTAL HAZARDS: Aquatic Chronic 2 – H411

**LABEL ELEMENTS**

PICTOGRAM:



SIGNAL WORD:

**DANGER**

HAZARD STATEMENTS:

H226 Flammable Liquid and Vapour.  
H304 May Be Fatal If Swallowed and Enters Airways  
H315 Causes Skin Irritation  
H317 May Cause an Allergic Skin Reaction.  
H411 Toxic to Aquatic Life with Long Lasting Effects.

PRECAUTIONARY STATEMENTS:

P210 Keep Away from Heat/Sparks/Open Flames/Hot Surfaces. — No Smoking.  
P241 Use Explosion-Proof Electrical/Ventilating/Lighting/Equipment  
P262 Do Not Get in Eyes, On Skin or On Clothing  
P273 Avoid Release to The Environment.  
P280 Wear Protective Gloves/Protective Clothing/Eye Protection/Face Protection.

SDS: **85 Yuzu Essential Oil**

Compiled by: Johndan Chilcott, Regulatory Affairs - Approved by Woody Evans Director – Date: 03/02/2020 - Version: 1



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SUPPLEMENTARY PRECAUTIONARY STATEMENTS: P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P405 store locked up.  
P501 dispose product/container in accordance with applicable regulations.

CONTAINS: Limonene

**3: COMPOSITION/INFORMATION ON INGREDIENTS**

**<90.0% Limonene**

CAS NUMBER: 5989-27-5 EC NUMBER: 227-813-5  
CLASSIFICATION (EC 1272/2008): AH1, EHC1, FL3, SCI2, SS1B

**≤9.0% γ- Terpinene**

CAS NUMBER: 99-85-4 EC NUMBER: 202-794-6  
CLASSIFICATION (EC 1272/2008): AH1, FL3, SCI3, ATO5

**≤3.0% Linalool**

CAS NUMBER: 78-70-6 EC NUMBER: 201-134-4  
CLASSIFICATION (EC 1272/2008): FL4, SCI2, ATO5, EDI2A, EHA3

**≤3.0% Myrcene**

CAS NUMBER: 123-35-3 EC NUMBER: 204-622-5  
CLASSIFICATION (EC 1272/2008): AH1, EDI2A, FL3, SCI2

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

**4: FIRST AID MEASURES**

INHALATION: Move to fresh air for at least 15 minutes, in case of complaints seek medical attention.

INGESTION: Ask immediately for medical assistance. Rinse mouth with water and do not provoke vomiting.

SKIN CONTACT: Remove contaminated clothing and wash with water and soap. Make sure you have eliminated the contamination. In case of discomfort or irritation; seek medical attention.

EYE CONTACT: Rinse eyes for several minutes with pure water, make sure you have eliminated the contamination, in case of complaints seek medical attention.

**MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:**

- SYMPTOMS: Inhalation: Can cause slight headache  
Contact: Can cause bloodshot eyes - Can cause slight skin rash.
- ACUTE AND DELAYED EFFECTS: No post-disorder effects are reported.



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**5: FIREFIGHTING MEASURES**

**EXTINGUISHING MEDIA RECOMMENDED:**

- SMALL FIRES:
- LARGE FIRES:

Use CO<sub>2</sub>, foam, dry powder

Use water spray or fog - cool containing vessels with water jet in order to prevent pressure build-up, auto-ignition or explosion.

Pressurised water jet.

**UNSUITABLE EXTINGUISHING MEDIA:**

**SPECIAL HAZARDS ARISING FROM THE PRODUCT:**

Vapours may form explosive mixture with air - in case of fire, the following can be released: carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), smoke, soot.

**ADVICE FOR FIREFIGHTERS:**

Standard procedure for chemical fires - Spray extinguishing media to base of flames. Use adequate protections for respiratory apparatus, avoid vapour inhalation.

**6: ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS:**

In an emergency (i.e. Unintentional important release of the product in enclosed space) respiratory protection (gas filter a, colour code brown: consider the maximum duration for wear) must be worn. Use insulating device for respiratory protection with an independent air supply in circumstances which are unclear - use adequate protections solvent resistant: security shoes, bodysuit, gloves and protective goggles

**ENVIRONMENT PRECAUTIONS:**

Keep away from drains - keep away from surface and ground water.

**CLEANING UP METHODS FOR SPILLAGES:**

Keep away from heat and use non-combustible absorbing sawdust (sand, specific binder). Refer to section 13 for the appropriate methods of waste treatment.

**7: HANDLING AND STORAGE**

**USAGE PRECAUTIONS:**

During handling keep original container closed - avoid contact with skin and eyes. Wear adequate protective gloves and eye/face protection. Avoid any sources of ignition. Avoid exposing to high temperature during processing. Maintain adequate local and general ventilation where product is handled.

**OCCUPATIONAL HYGIENE:**

Do not ingest or apply to the skin as such. No smoking. Remove contaminated clothing. Good personal washing routines should be followed. If at risk of contamination, foods, beverages and other articles of consumption must not be stored or consumed at the work areas.

**STORAGE PRECAUTIONS:**

To be stored in stainless steel drums, preferably under inert atmosphere (nitrogen) with minimum head space, protected from daylight. Take note: the container used during transportation must be considered only as a temporary container and it must not be considered in any case adequate for medium- or long-term warehousing

Stored in a dry, aerated place, away from any heat source and ignition source. Store between 5°C and 20°C.



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#### **8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

CONTROL PARAMETERS  
PROTECTIVE EQUIPMENT:

No data.



PROCESS CONDITIONS  
ENGINEERING MEASURES

Provide eyewash station.

Where appropriate, use closed system to transfer and process this material - if appropriate, isolate mixing rooms and other areas where this material is used or openly handled - maintain these areas under negative air pressure relative to the rest of the plant. Not necessary in adequate local with general ventilation - avoid breathing vapours.

RESPIRATORY EQUIPMENT

HAND PROTECTION

Suitable gloves tested to EN374 (should be checked regularly) - always use with clean, dry hands.

EYE PROTECTION

Protective goggles with built-in-frame tested to EN166 (should be checked regularly).

OTHER PROTECTION

Use personal protective equipment that is clean and has been properly maintained.  
Store personal protective equipment in a clean place, away from the work area.

HYGIENE MEASURES

Good personal hygiene practices are always advisable, especially when working with chemicals / oils. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

PERSONAL PROTECTION

SKIN PROTECTION

Use personal protection according to Directive 89/686/EEC. Protective work clothing solvent resistant (should be checked regularly).

ENVIRONMENTAL EXPOSURE CONTROLS

Avoid discharging into drainage water. Only eliminate by authorised companies. The usual precautions in handling chemicals have to be observed.

#### **9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE

Liquid, yellow to reddish.

COLOUR

Yellow to reddish.

ODOUR

Characteristic.

RELATIVE DENSITY

0.845 – 0.860 @ 20°C

FLASH POINT (°C)

48.0

REFRACTIVE INDEX

1.470 – 1.480 @ 20°C

MELTING POINT (°C)

No additional data available.

BOILING POINT (°C)

No additional data available.

VAPOUR PRESSURE

No additional data available.

SOLUBILITY IN WATER @20°C

Insoluble in water. Soluble in alcohol and other oils.

AUTO-IGNITION TEMPERATURE (°C)

No additional data available.



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**10: STABILITY AND REACTIVITY**

REACTIVITY:	Substance not reactive with water - substance not reactive if used according to storage & handling conditions & identified uses (see subsection 1.2)
CHEMICAL STABILITY:	Substance stable if used according to storage & handling conditions & identified uses (see subsection 1.2).
POSSIBLE HAZARDOUS REACTIONS	None if used according to storage & handling conditions & identified uses (see subsection 1.2).
CONDITIONS TO AVOID	Avoid exposure to heat.
INCOMPATIBLE MATERIALS	Avoid highly oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS	The thermal decomposition may release/form: - carbon monoxide (CO) - carbon dioxide (CO <sup>2</sup> )

**11: TOXICOLOGICAL INFORMATION**

ACUTE TOXICITY	LD50: 5 g/kg [source RIFM].
SKIN CORROSION / IRRITATION	Hazard statement: H315 causes skin irritation [source RIFM].
SERIOUS EYE DAMAGE / IRRITATION	Not classified as irritating to the eye [source RIFM].
RESPIRATORY OR SKIN SENSITISATION	Hazard statement: H317 may cause an allergic skin reaction [source RIFM].
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	hazard statement: H304 may be fatal if swallowed and enters airways [source RIFM].
PHOTO-TOXICITY	No additional data available.
OTHER INFORMATION	No additional data available.
ACUTE TOXICITY	LD50: 5 g/kg [source RIFM].

**12: ECOLOGICAL INFORMATION**

<b>TOXICITY:</b>	
– AQUATIC LIFE: HAZARD STATEMENT:	H411 toxic to aquatic life with long lasting effects [source RIFM].
– ALGAE/AQUATIC PLANTS	EC50 65.9 mg/l (48h) calculated value [source RIFM].
– FISH/AQUATIC INVERTEBRATES:	No additional data available.
PERSISTENCE AND DEGRADABILITY:	This substance to be considered as a readily biodegradable substance; based on its ready biodegradability, oil does not fulfil the criteria for persistence.
BIOACCUMULATIVE POTENTIAL:	As the constituents are readily biodegradable, it is likely that they will also be bio transformed in higher organisms, so bioaccumulation is actually not expected
MOBILITY IN SOIL:	This substance is considered as a readily biodegradable NCS. Based on the ready biodegradability of the NCS, simulation tests in surface water, sediment and soil are not required.
RESULTS OF PBT AND VPVB ASSESSMENT:	This substance is not classified as: PBT or vPvB / CMR [source RIFM].
PRECAUTIONS:	No additional data available.

SDS: 85 Yuzu Essential Oil

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**13: DISPOSAL CONSIDERATIONS**

DISPOSAL METHODS:

The containers used for this product must completely empty before disposal. Dispose product and/or contaminated packaging in accordance with federal, state and local environmental control regulations - disposal through the wastewater is illegal.

**14: TRANSPORT INFORMATION**

UN No. ROAD: 1169  
UN No. SEA: 1169  
UN No. AIR: 1169  
PROPER SHIPPING NAME: EXTRACTS, AROMATIC, LIQUID

**TRANSPORT HAZARD CLASS(ES):**

- ADR/RID/ADN CLASS: 3
- IMDG CLASS: 3
- ICAO CLASS: 3



**PACKING GROUP:**

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

ENVIRONMENTAL HAZARDS:



SPECIAL PRECAUTIONS FOR USER:

This product contains constituents flammables & dangerous for the environment - in case of pouring out, make sure to label new package accordingly, reproducing original label with relevant symbols.

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE:

No additional data available

**15: REGULATORY INFORMATION**

STATUTORY INSTRUMENTS:

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

EU LEGISLATION:

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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

GUIDANCE:

Workplace Exposure Limits EH40. CHIP for everyone HSG (108).



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**16: OTHER INFORMATION**

HAZARD AND/OR PRECAUTIONARY STATEMENTS IN FULL	H226 Flammable Liquid and Vapour. H304 May Be Fatal If Swallowed and Enters Airways. H315 Causes Skin Irritation. H317 May Cause an Allergic Skin Reaction. H411 Toxic to Aquatic Life with Long Lasting Effects.
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**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.