


| | | |
|--|--|--------------------------------------|
| 1. Identification of the substances / mixture and of the company/undertaking. | | |
| 1.1 Product identifier: Juniper Berry Oil Croatia AT 017 | | |
| Substance name: | | |
| Biological Definition | | |
| INCI Name | Article Number: HRFUK423 | |
| Synonyms & Trade Names | | |
| EC NO: | CAS NO: 8002-68-4 | EINECS CAS Number: 283 -268-3 |
| Index No: | Reach Registration No: | |
| 1.2 Relevant identified uses of the substance or mixture and uses advised against | | |
| Identified uses: Multi uses | | |
| Uses advised against: No further relevant information available. | | |
| 1.3 Details of the supplier of the safety data sheet | | |
| Company | Penny Price Aromatherapy Ltd | |
| | Unit D3 Radius Court | |
| | Maple Drive | |
| | Hinckley | |
| | Leicestershire LE10 3BE | |
| Email | info@penny-price.com | |
| 1.4 Emergency Telephone Number | 00 44 (0) 1455 251020 opening hours Mon – Thurs 9am – 5pm, Fri 9am – 2pm. Or call NHS 111 or NHS 999 | |

| | | | |
|---|-------------------------------|---------------------------|----------------------|
| 2. Hazards Identification | | | |
| 2.1 Classification of the substance or mixture | | | |
| Classified according to Regulation (EC) 1272/2008 (CLP) as amended | Physical and Chemical Hazards | Flam. Liq. 4 – H227 | |
| | Human Health | Respr. 2 -H361 | Asp. Tox. 1 – H304 |
| | | Skin Irrit. 2 – H315 | Eye Irrit. 2A – H319 |
| | Environment | Skin Sens. 1 – H317 | Acute Tox. 5 – H333 |
| Aquatic Acute. 2 – H401 | | Aquatic Chronic. 2 – H411 | |
| 2.2 Label Element Labelling according to Regulation (EC) No.1272/2008: | | | |
|  | | | |
| . Label elements. | | | |
| . GHS label elements | | | |
| The substances is classified and labelled according to the Globally Harmonised System (GHS). | | | |
| Trade name: JUNIPERBERRY OIL CROATIA AT 017 | | | |
| Signal Word. DANGER | | | |
| Hazard-determining components of labelling: alpha-Pinene, 4 – Carvomenthenol, Myrcene, d-limonene, beta-Caryophyllene, beta- Pinene, terpinolene | | | |
| Hazard statements. | | | |

| | | | |
|------|---|------|---|
| H226 | Flammable liquid and vapour | H227 | Combustible Liquid |
| H228 | Flammable solid. | H302 | Harmful if swallowed. |
| H303 | May be harmful if swallowed. | H304 | May be fatal if swallowed and enters the airways. |
| H313 | May be harmful in contact with skin. | H315 | Causes skin Irritation |
| H316 | Causes mild skin irritation. | H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. | H320 | Causes eye irritation. |
| H332 | Harmful if inhaled. | H333 | May be harmful if inhaled. |
| H336 | May cause drowsiness or dizziness. | H361 | Suspected of damaging fertility or the unborn child. |
| H400 | Very toxic to aquatic life. | H401 | Toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. | H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. | H413 | May cause long lasting harmful effects to aquatic life. |

Precautionary statements.

| | |
|----------------|--|
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER / doctor. |
| P331 | Do NOT induce vomiting. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P405 | Store locked up. |
| P501 | Dispose of contents/ container in accordance with local/ regional/national/international regulations. |

Supplementary Precautionary Statements:

| | |
|--|---|
| | |
| | |
| 2.3 Other hazards – Results of PBT and vPvB According to Annex XIII | PBT: Not applicable. vPvB: Not applicable. |
| Adverse Physio-chemical Properties | |
| Adverse Effects on Human Health | |

3. 1 Composition / information on ingredients:

- . **Chemical Characteristics: Substances**
- . **CAS No. Description**
8002-68-4 Juniperberry oil
- . **Identification Numbers(s)**
- . **EC Number:** 283-268-3

| Substance name | Index number under CLP Annex VI | Weight % content (or range) | CL, M-Factor, ATE |
|-----------------------|--|------------------------------------|--|
| Alpha-Pinene | CAS: 80-56-8 EINCES: 201-291-9 | 25-59% | Flam. Liq. 3 – H226 Asp. Tox. 1 – H304 Aquatic Acute. 1 – H400 Aquatic Chronic. 1 – H410 Acute Tox. 4 – H302 Skin Irrit. 2 -H315 Skin Sens. 1B – H317 |
| Myrcene | CAS: 123-35-3 EINCES: 204-622-5 | 10-25% | Flam. Liq. 3 – H226 Asp. Tox. 1 – H304 Aquatic Acute. 1 – H400 Aquatic Chronic. 1 – H410 Skin Irrit. 2 -H315 Eye Irrit. 2A – H319 |
| d-limonene | CAS: 5989-27-5 EINCES: 227-813-5 | 1-10% | Flam. Liq. 3 – H226 Asp. Tox. 1 – H304 Aquatic Acute. 1 – H400 Aquatic Chronic. 1 – H410 Skin Irrit. 2 -H315 Skin Sens. 1B – H317 |
| Beta-Caryophyllene | CAS: 87-44-5 EINCES: 201-746-1 | 1-10% | Asp. Tox. 1 – H304 Skin Sens. 1B – H317 Aquatic Chronic. 4 – H413 |
| Beta-Pinene | CAS: 127-91-3 EINECS: 204-872-5 | 1-10% | Flam. Liq. 3 – H226 Asp. Tox. 1 – H304 Aquatic Acute. 1 – H400 Aquatic Chronic. 1 – H410 Skin Irrit. 2 -H315 Skin Sens. 1B – H317 |
| 4-Carvomenthenol | CAS: 562-74-3 EINECS: 209-235-5 | 1-10% | Acute Tox. 4 – H302 Acute Tox. 4 - H322 Skin Irrit. 2 - H315 STOT SE. 3 – H336 Flam. Liq. 4 – H227 Acute Tox. 5 – H313 Eye Irrit. 2B – H320 Aquatic Acute. 2 – H401 |
| p-Mentha-1,4-diene | CAS: 99-85-4 EINECS: 202-794-6 | 1-10% | p-Mentha-1,4-diene Flam. Liq. 3 - H226 Repr. - H361 Asp. Tox. 1 - H304 Acute Tox. 5 - H303 Skin Corr. 3 - H316 Specific concentration limit: Repr. 2 - H361: C \geq 3 % |
| p-cymene | CAS: 99-87-6 EINECS: 202-796-7 | 1-10% | Flam. Liq. 3- H226 Repr. 2 - H361 |

| | | | |
|--------------------|------------------------------------|-----------|--|
| | | | Asp. Tox. 1 -H304 Aquatic Chronic 2 - H411 Acute Tox. 5 - H303 Skin Corr. 3 - H316 Aquatic Acute 2 - H401 Specific concentration limit: Repr. 2 - H361: C \geq 3 % |
| terpinolene | CAS: 586-62-9 EINECS: 209-578-0 | 1-10% | Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Skin Sens. 1B - H317 Flam. Liq. 4 - H227 Acute Tox. 5 - H303 Skin Corr. 3 - H316 |
| alpha Thujene | CAS: 2867-05-2 | 1-10% | Asp. Tox. 1 - H304 |
| alpha-Phellandrene | CAS: 99-83-2 EINECS: 202-792-5 | \leq 1% | Flam. Liq. 3 - H226 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 |
| camphene | CAS: 79-92-5 EINECS: 201-234-8 | \leq 1% | Flam. Sol. - H228 Aquatic Acute 1 - H400 Aquatic Chronic 1 -H410 Eye Irrit. 2B - H320 |

| | |
|---|--|
| 4. First Aid Measures | |
| 4.1 General | Immediately remove any clothing soiled by the product. |
| Inhalation | Remove person to fresh air and keep comfortable for breathing. Obtain medical attention if required. |
| Eye contact | Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If irritation persists seek medical advice / attention. |
| Skin contact | Take off all contaminated clothing. Rinse skin with water/shower. If irritation persists seek medical attention. |
| Ingestion | Rinse mouth out with water. Do NOT induce vomiting. Immediately call POISON CENTER or GP. Do not give milk or fatty oils. |
| 4.2 Most important symptoms and effects, both acute and delayed: | |
| | No further relevant information available. |
| 4.3 Indication of any immediate medical attention and special treatment need | |
| | No further relevant information available. |
| 5. Firefighting Measures | |
| 5.1 Extinguishing Media: | |
| Suitable extinguishing media: | CO ₂ , powder, or water spray. Fight larger fires with water spray or alcohol resistant foam. |

| | |
|--|------------------------------|
| Unsuitable extinguishing media: | Water with full jet |
| 5.2 Special hazards arising from the substances or mixture: | |
| Hazardous combustion products: | Carbon monoxide (CO) |
| 5.3 Advice for firefighters | No special measures required |

| | |
|---|---|
| 6 Accidental release measures | |
| 6.1 Personal precautions, protective equipment, and emergency procedures | |
| 6.1.1 For non-emergency personnel | |
| Protective equipment: | |
| Emergency procedures: | Wear protective equipment. Keep unprotected persons away. |
| 6.1.2 For Emergency responders | |
| 6.2 Environmental precautions | Do not allow product to reach sewage system or any water course. Prevent seepage into sewage system, work pits and cellars. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water. |
| 6.3 Methods for cleaning up – 6.3.1 For containment: | Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation |
| 6.3.2 For cleaning up: | |
| 6.3.3. Other information: | |
| 6.4 Reference to other sections | See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information. |

| | |
|---|---|
| 7. Handling and storage | |
| 7.1 Precautions for safe handling | |
| Protective measures: Prevent formation of aerosols. Handle in a well-ventilated area, away from sources of ignition. DO NOT SMOKE. Apply good manufacturing practice and industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling. | |
| Measures to prevent fire: | Keep ignition sources away - Do not smoke. Keep respiratory protective device available. |
| Measures to prevent aerosol and dust generation: | |

| | |
|---|---|
| Measures to protect the environment: | |
| Advice on general occupational hygiene: | |
| 7.2 Conditions for safe storage, including any incompatibilities | |
| Technical measures and storage conditions: | |
| Packaging Materials: | |
| Requirements for storage and vessels: | Store only in unopened original receptacles. |
| Storage Class: Further information on storage containers: | Keep receptacle tightly sealed. Store in the dark. |
| 7.3 Specific end use(s). | No further relevant information available. |
| Recommendations: | |
| Industrial sector specific solutions: | |

| | |
|--|--|
| 8. Exposure controls/Personal protection: | |
| Additional information about design of technical facilities: No further data; see item 7. | |
| 8.1 Control parameters | . Ingredients with limit values that require monitoring at the workplace: Not required. . Additional information: The lists valid during the making were used as basis. |
| 8.2 Exposure controls | |
| Engineering Measures | Ensure good ventilation of working area. |
| 8.2.2 Personal Protection equipment | |
| General protective and hygienic measures: | Keep away from foodstuffs, beverages, and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the eyes and skin. |

| | |
|--|---|
| 8.2.2.1 Eye / face protection | Tightly sealed goggles |
| 8.2.2.2 Skin Protection | |
| Hand protection | <p>Protective gloves: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.</p> <p>Material of gloves. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.</p> <p>Penetration time of glove material. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.</p> |
| Other skin protection | |
| 8.2.2.3 Respiratory protection | Not required. |
| Ventilation | |
| 8.2.2.4 Thermal hazards | |
| 8.2.3 Environmental exposure controls | |
| 9. Physical and chemical properties- C of A | |
| 9.1 Information on basic physical and chemical properties | |
| Colour | According to product specification. |
| Appearance | Liquid |
| Odour | Characteristic |
| Melting Point / freezing point | Undetermined |
| Boiling point /Initial boiling point & boiling range | |
| Flammability (solid, gas): | Not applicable |
| Lower and upper explosion limit | |
| Flash point (closed cup – ASTM D6450): | 38.5 °C |
| Auto- ignition temperature | Not applicable |
| Decomposition temperature | Not applicable |
| pH | |
| Kinematic Viscosity | |
| Solubility in Water | Not miscible or difficult to mix. |
| Solubility in other Solvents | |
| Partition coefficient n-octanol/ water (log value) | |
| Vapour Pressure | Not determined. |
| Density and /or relative density | At 20°C: 0.86 g/cm ³ |
| Evaporation rate: | Not determined. |
| Relative vapour density | |

| | |
|---------------------------------------|--|
| Particle characteristics | |
| Explosive Properties | Product is not explosive. However, formation of explosive air/ vapour mixtures are possible. |
| Explosion Limits: Lower: Upper: | Not determined. Not determined. |
| Oxidising Properties | |
| 9.2 Other information | No further relevant information available. |
| Specific gravity d_{20}^{20} | |
| Optical rotation @ 20°C | |
| Refractive index @ 20°C | |
| Typical analysis of major components | |

| | |
|--|---|
| 10. Stability and reactivity | |
| 10.1 Reactivity | No further relevant information available. |
| 10.2 Chemical Stability | |
| Thermal decomposition / conditions to be avoided: | No decomposition if used according to specifications. |
| 10.3 Possibility of hazardous reactions: | No dangerous reactions known. |
| 10.4 Conditions to avoid: | No further relevant information available. |
| 10.5 Incompatible Materials: | No further relevant information available. |
| 10.6 Hazardous Decomposition Products | No dangerous decomposition products known. |





| | |
|---|---|
| 11. Toxicological information | |
| 11.1 Information on hazard classes as defined in Regulation (EC) No 1272 /2008 | |
| Information on Toxicological Effects | |
| Acute toxicity: | LD/LC50 values relevant for classification: |
| 80-56-8 alpha-Pinene | |
| Oral | LD50 Acute Toxicity Estimate (ATE) |
| | 500 mg/kg (ATE) 500 mg/kg (RAT) |
| 586-62-9 terpinolene | |
| Oral | LD50 |
| | 3,775 mg/kg (RAT) |
| 99-83-2 alpha-Phellandrene | |
| Oral | LD50 |
| Dermal | LD50 |
| | 5,700 mg/kg (RAT) > 5,000 mg/kg (LAP) |
| Skin corrosion /irritation: | Irritant to skin and mucous membranes |
| Seriously eye damage/irritation: | Irritating effect |
| Respiratory or skin sensitisation: | Sensitisation possible through skin contact |
| Germ cell mutagenicity: | |

| | |
|---|---------|
| Carcinogenicity: | |
| Reproductive toxicity: | Repr. 2 |
| Summary of evaluation of the CMR properties: | |
| STOT- single exposure, | |
| STOT-repeated exposure: | |
| Aspiration hazard: | |

| | |
|--|---|
| 12. Ecological information | |
| 12.1 Toxicity | |
| Aquatic toxicity: | No further relevant information available. |
| 12.2 Persistency & degradability | No further relevant information available. |
| 12.3 Bio accumulative potential | No further relevant information available. |
| 12.4 Mobility in soil Ecotoxicological effects: Remark: Additional ecological information: General Notes: | No further relevant information available. Toxic for fish. Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms. |
| 12.5 Results of PBT and vPvB Assessment | PBT: Not applicable. vPvB: Not applicable. |
| 12.6 Endocrine disrupting properties | |
| 12.7 Other adverse effects | No further relevant information available. |

| | |
|---|---|
| 13. Disposal considerations | |
| 13.1 Waste treatment methods | Must not be disposed together with household rubbish. Do not allow product to reach sewage system. |
| 13.1.1. Product /Packaging disposal: | Dispose of contents / container in accordance with local/regional / national / international regulations. |
| 13.1.2 Waste treatment-relevant information: | |
| 13.1.3 Sewage disposal-relevant information: | |
| 13.1.4 Other disposal-relevant recommendations: | |

| |
|----------------------------------|
| 14. Transport information |
|----------------------------------|

| | |
|---|---|
| 14.1 UN Number or ID number . ADR, IMDG, IATA | UN1169 |
| 14.2 UN proper Shipping name . ADR . IMDG . IATA | UN1169 EXTRACTS, AROMATIC, LIQUID (Alpha pinene, Myrcene) EXTRACTS, AROMATIC, LIQUID (Alpha pinene, Myrcene), MARINE POLLUTANT EXTRACTS, AROMATIC, LIQUID |
| 14.3 Transport hazard class(es) . ADR . Class . Label |  3 (F1) Flammable liquids 3 |
| . IMDG . Class . Label |   3 Flammable liquids 3 |
| . ICAO . Class . Label |  3 Flammable liquids 3 |
| 14.4 Packing group . ADR, IMDG, IATA | III |
| 14.5 Environmental hazards: . Marine pollutant: | Product contains environmentally hazardous substances: alpha-Pinene Yes Symbol (fish and tree) |
| 14.6 Special precautions for user . Hazard identification number (Kemler code); . EMS Number: . Stowage Category | Warning: Flammable liquids. 30 F-E, S-D A |
| 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| . Transport / Additional information: | |
| . ADR . Limited quantities (LQ) . Excepted quantities (EQ) | 5L Code: E1 |

| | |
|---|--|
| . Transport category . Tunnel restriction code | Maximum net quantity per inner packaging: 30ml Maximum net quantity per outer packaging: 1000ml 3 D/E |
| . IMDG . Limited quantities (LQ) . Excepted quantities (EQ) | 5L Code: E1 Maximum net quantity per inner packaging: 30ml Maximum net quantity per outer packaging: 1000ml |
| UN "Model Regulation": | UN 1169 EXTRACTS, AROMATIC, LIQUID (ALPHA PINENE, MYRCENE), 3, III |

15 Regulatory information

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

Directive 2012/18/EU.

- . Named dangerous substances - ANNEX I Substance is not listed.
- . Seveso category E2 Hazardous to the Aquatic Environment
- . Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
- . Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

16. Other information

(i) **Indication of Changes: Revised Safety Data Sheet Format:** From March 2019. – Section 2 and 3 have changed places, additional points added under each section in line with Regulation EC) No 1272/2008 Version 4.2 March 2021'.

(ii) **Abbreviations and acronyms:**

DNEL: Derived No-Effect Level.

PNEC: Predicted No- Effect Concentration.

ADR: European agreement concerning the international carriage of dangerous goods by road.

RID: Regulations concerning the International carriage of Dangerous goods by rail.

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the 'International Civil Aviation Organisation" (ICAO)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Maritime Dangerous Goods.

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

WGK: Water Hazard Class.

LC50: Lethal concentration, 50 percent

LD50: Lethal Dose, 50 percent

PBT: Persistent, Bio accumulative and Toxic

vPvB: Very Persistent and very Bio accumulative
Flam. Liq. 3: Flammable liquids – Category 3
Flam. Liq. 4: Flammable liquids – Category 4
Flam. Sol. 1: Flammable solids – Category 1
AT: Acute Toxicity – O = Oral / D = Dermal / I = Inhalation
Asp: Aspiration Hazard
Skin Corr/ Irrit: Skin Corrosion / Irritation
Skin Sens: Skin Sensation
Eye Dam/ Irrit: Eye damage / Irritation
Muta: Mutagenic
Carc: Carcinogenic
Resp: Respiration Sensitive
Repro: Reproductive Sensitive
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
EH A: Environmental Hazard Aquatic Acute
EH C: Environmental Hazard Aquatic Chronic

(iii) Key Literature references and sources of date.

(iv) Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 (CLP):

| Classification according to Regulation (EC) 1272/2008(CLP) | Classification procedure |
|--|--|
| (v) Relevant H-statements (number and full text): | |
| (vi) Training advice: | |
| (vii) Further information: | |
| Shelf life | Minimum 12 months when stored in the advised conditions. |

QC requirements

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

Disclaimer:

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 date 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



**Penny Price Aromatherapy/ Aroma Formulations
SAFETY DATA SHEET
According to Regulation (EC) No.1272/2008**

contract to supply to any specification or for any given application and buyers should seek to verify their requirements and product use.