



## Material Safety Data Sheet

EU Regulation 1907/2006

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

#### 1.1

##### Product Identification

<b>Product Name</b>	JUNIPERBERRY, ESSENTIAL OIL				
<b>Biological Definition</b>	JUNIPERUS COMMUNIS FRUIT OIL IS THE VOLATILE OIL OBTAINED FROM THE BERRIES OF THE JUNIPER, JUNIPERUS COMMUNIS L., CUPRESSACEAE.				
<b>INCI Name</b>	JUNIPERUS COMMUNIS FRUIT OIL				
<b>Synonyms &amp; Trade Names</b>	N/A				
<b>Internal Product Code</b>	MI0183				
<b>CAS-No</b>	8002-68-4 / 73049-62-4 / 84603-69-0	<b>EC No.</b>	283-268-3	<b>EINECS No.</b>	283-268-3

#### 1.2

##### Details of the supplier of the safety data sheet

<b>Company Address</b>	The Old Post Office, Prince Street, Blaenavon. NP4 9XA
<b>Email</b>	<a href="mailto:jo@natures-essence.co.uk">jo@natures-essence.co.uk</a>

#### 1.3

##### Details of the supplier of the safety data sheet

<b>Emergency Contacts</b>	07718265502
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### SECTION 2: HAZARD IDENTIFICATION

#### 2.1

##### Classification of the substance or mixture

<b>Classification (67/548/EEC)</b>	No additional data available
<b>Classification (EU1272/2008)</b>	H226 Flammable liquid and vapour, Hazard Category 3 H315 Skin irritation, Category 2 H317 Skin sensitisation, Category 1 H304 Aspiration hazard, Category 1 H410 Environmental hazard, Chronic, Category 1

#### 2.2

##### Label Elements

<b>GHS Label</b>	   
	GHS07      GHS08      GHS02      GHS09
<b>Signal Word</b>	Danger.
<b>Contains</b>	ALPHA PINENE, BETA PINENE, LIMONENE, BETA-CARYOPHYLLENE

<b>Hazards Statement</b>	H226 Flammable liquid and vapour H315 Causes skin irritation H317 May cause an allergic skin reaction H304 May be fatal if swallowed and enters airways H410 Very toxic to aquatic life with long lasting effects
<b>Precautionary Statements</b>	P210, Keep away from heat, sparks, open flames and hot surfaces. - No smoking. P233, Keep container tightly closed. P240, Ground/bond container and receiving equipment. P241, Use explosion-proof electrical, ventilating and lighting equipment. P242, Use only non-sparking tools.
	P243, Take precautionary measures against static discharge. P261, Avoid breathing vapour or dust. P264, Wash hands and other contacted skin thoroughly after handling. P272, Contaminated work clothing should not be allowed out of the workplace. P273, Avoid release to the environment. P280, Wear protective gloves/eye protection/face protection. P301/310, IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P303/361/353, IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. P331, Do not induce vomiting. P333/313, If skin irritation or rash occurs: Get medical advice/attention. P362, Take off contaminated clothing and wash before reuse. P370/378, In case of fire: Use carbon dioxide, dry chemical, foam for extinction. P391, Collect spillage. P403/235, Store in a well-ventilated place. Keep cool. P501, Dispose of contents/container to approved disposal site, in accordance with local regulations
<b>Supplementary Precautionary Statements</b>	None
<i>Section 16 (Other Information): Risk &amp; Safety phrases in full</i>	
<b>2.3 Other Hazards</b>	
<b>Adverse physio-chemical properties</b>	None.
<b>Adverse effects on human health</b>	None.
<b>PBT or vPvB according to Annex XIII</b>	None.

## SECTION 3: Composition of Ingredients

<b>3.1 Mixtures</b>	<p>25.0 - 50.0% Alpha-pinene CAS-No.: 80-56-8 EC No.: 201-291-9 Classification (EC 1272/2008) FL 3-SCI 2-SS 1B-AH 1-EH, A1-EH C1; H226-H304-H315-H317-H410</p> <p>25.0 - 50.0% Beta-pinene CAS-No.: 127-91-3 EC No.: 204-872-5 Classification (EC 1272/2008) FL 3-SCI 2-SS 1B-AH 1-EHA1-EH C1; H226-H304-H315-H317-H410</p> <p>&lt; 5.0% Limonene CAS-No.: 5989-27-5 EC No.: 227-813-5 Classification (EC 1272/2008) FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1; H226-H304-H315-H317-H410</p> <p>&lt;5.0% Beta-Caryophyllene CAS-No.: 87-44-5 EC No.: 201-746-1 Classification (EC 1272/2008) AH 1;H304</p> <p>&lt;5.0% Camphene CAS-No.: 79-92-5 EC No.: 201-243-8 Classification (EC 1272/2008) FS 2-EDI 2-EH A1-EH C1; H228-H319-H410</p> <p>&lt; 1.0% Terpinolene CAS-No.: 586-62-9 EC No.: 209-5780 Classification (EC 1272/2008) SS 1B-AH 1-EH A1-EH C1;H304-H317-H410</p> <p>&lt; 1.0% Myrcene CAS-No.: 123-35-3 EC No.: 204-622-5 Classification (EC 1272/2008) FL 3-SCI 2-EDI 2-AH 1; H226-H304-H315-H319</p> <p>&lt; 1.0% Para-Cymene CAS-No.: 99-87-6 EC No.: 202-796-7 Classification (EC 1272/2008) FL 3-AH 1-EH C2; H226-H304-H411</p> <p>&lt; 1.0% alpha Phellandrene CAS: 99-83-2, EINECS: 202-792-5 Classification (EC 1272/2008) FL 3-AH 1;H226-H304</p>
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## SECTION 4: First Aid Measures

### 4.1

#### Description of First Aid Measures

<b>General Information</b>	Always remove contaminated clothing immediately.
<b>Inhalation</b>	Get medical attention immediately. Remove from exposure site to fresh air, keep at rest, and obtain medical attention.
<b>Ingestion</b>	Get medical attention immediately. Immediately call the doctor. Rinse mouth with water and obtain medical attention.
<b>Skin Contact</b>	Remove contaminated clothes. Wash thoroughly with soap and water. Contact physician if irritation persists
<b>Eye Contact</b>	Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.
<b>4.2 Most important symptoms &amp; effects (Acute &amp; Delayed)</b>	No data.
<b>4.3 Indication of any immediate medical attention or special treatment required</b>	No data.

## SECTION 5: Fire Fighting Measures

<b>5.1 Extinguishing material</b>	Foam, Co2, Dry Chemical Powder.
<b>5.2 Special hazards arising from the substance or mixture</b>	Burning produces irritating toxic and obnoxious fumes.

<b>5.3</b> <b>Advice for fire-fighters</b>	Special protective equipment for fire fighters: Wear positive pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing
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## SECTION 6: Accidental Release Measures

<b>6.1</b> <b>Personal precautions</b>	Ensure adequate ventilation of the working area, evacuate personnel to safe area, wear suitable protective equipment. No smoking, sparks, flames or other sources of ignition near spillage. Avoid contact with skin, eyes and clothing. Avoid Inhalation
<b>6.2</b> <b>Environmental precautions</b>	Do not discharge into drains, water courses or onto the ground. Dispose of in line with Local Authority guidelines.
<b>6.3</b> <b>Methods &amp; material for containment and cleaning up</b>	Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.
<b>6.4</b> <b>References to other sections</b>	Refer & consider section 8. Refer & consider section 13.

## SECTION 7: Handling & Storage

<b>7.1</b> <b>Precautions for safe handling</b>	Handle in accordance with good hygiene and safety practice. Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation Do not eat, drink or smoke when using this product.
<b>7.2</b> <b>Conditions for safe storage, including any incompatibilities</b>	Keep the product container tightly closed, in a dry, ventilated area. Keep away from potential sources of ignition and protected from light. Maintain limited contact with oxygen.
<b>7.3</b> <b>Specific end use(s)</b>	No data.

## SECTION 8: Exposure Controls & Personal Protection

<b>8.1</b> <b>Control Parameters</b>	None.
<b>8.2</b> <b>Exposure Controls</b>	
<b>Eye Protection</b>	Wear protective gloves/eye protection/face protection.
<b>Hand Protection</b>	Wear protective gloves/eye protection/face protection.
<b>Respiratory Equipment</b>	Under normal conditions of use and where adequate ventilation is available to prevent build-up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material. Also refer to Sections 2 and 7.
<b>Hygiene Measures</b>	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
<b>Engineering Measures</b>	None.
<b>Skin Protection</b>	Wear protective clothing to reduce the risk of skin and eye contact.
<b>Personal Protection</b>	Avoid inhalation of the product. Avoid contact with skin and eyes.
<b>Other Protection</b>	Wear suitable protection to avoid contact with skin and eyes. Do not inhale vapours.
<b>Process Conditions</b>	Ensure area is well ventilated. Avoid vapour inhalation. Safety shower and eye bath.
<b>Environmental Exposure Controls</b>	Avoid discharging into drainage water.

## SECTION 9: Physical & Chemical Properties

### 9.1

#### Physical & Chemical Properties

<b>Appearance</b>	LIQUID
<b>Colour</b>	PALE YELLOW – YELLOW
<b>Odour</b>	RICH, WOODY, PINEY, BALSAMIC
<b>Relative Density @20 °C</b>	0.858 – 0.874
<b>Flash Point (°C)</b>	41
<b>Refractive Index @ 20 °C</b>	1.468 – 1.482
<b>Solubility in Water @ 20°C</b>	INSOLUBLE IN WATER
<b>9.2 Other Information</b>	NO DATA.

## SECTION 10: Stability & Reactivity

<b>10.1 Reactivity</b>	Stable under usual storage conditions.
<b>10.2 Chemical stability</b>	Stable under suggested storage conditions (<15°C).
<b>10.3 Possibility of hazardous reactions</b>	None under normal processing.
<b>10.4 Conditions to avoid</b>	Storage at high temperatures. Do not store above 15°C.
<b>10.5 Incompatible materials</b>	Concentrated acids, alkalis & oxidising agents.
<b>10.6 Hazardous decomposition products</b>	This product does not decompose under normal conditions. Under fire conditions the product will produce a mixture of irritating fumes & smoke & carbon monoxide.

## SECTION 11: Toxicological Information

### 11.1

#### Toxicological effects

<b>Acute Toxicity</b>	Acute oral toxicity: Oral-rat LD50 3270 mg/kg FCT 2, 327 (1964). Acute dermal toxicity: Skin-rabbit LD50 > 5000 mg/kg FCT. 12, 917 (1974).
<b>Skin irritation</b>	Causes skin irritation.
<b>Eye damage or irritation</b>	Causes serious eye irritation.
<b>Respiratory or skin sensitivity</b>	No Data
<b>Germ cell mutagenicity</b>	No Data
<b>Carcinogenicity</b>	No Data
<b>Reproductive toxicity</b>	No Data
<b>STOT – single exposure</b>	No Data.
<b>STOT – repeated exposure</b>	No Data.
<b>Aspiration hazard</b>	No data.
<b>Other information</b>	No Data.

## SECTION 12: Ecological Information

<b>12.1 Toxicity</b>	Very toxic to aquatic life with long lasting effects. May cause longterm adverse effects in the aquatic environment. When spilled can contaminate soil, ground and surface water.
<b>12.2 Persistence &amp; degradability</b>	Degradability: No data available.
<b>12.3 Bio-accumulative potential</b>	No Data
<b>12.4 Mobility in soil</b>	No Data
<b>12.5 Results of PBT &amp; VPVB assessment</b>	No Data



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12.6 Other adverse effects	Degradability: No data available.
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## SECTION 13: Disposal Information

13.1 Waste treatment methods	Always recover spilled product. Discard waste material with authorized waste management services. Act in accordance with local & national waste regulations.
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## SECTION 14: Transport Information

14.1 Transport Information	
UN Number	ROAD: UN 1169 SEA: UN 1169 AIR: UN 1169
UN Shipping Name	Extract, Aromatic, Liquid
Transport hazard class(es)	ADR/RID/ADN Class:3 Flammable Liquid. IMDG Class:3 Flammable Liquid. ICAO Class/Division:3 Flammable Liquid.  Transport labels:  
Packing group	ADR/RID/ADN Packing group III
	IMDG Packing group III ICAO Packing group III
Environmental Hazards	Environmentally Hazardous Substance/Marine Pollutant  
Special precautions for user	See Sections 6-8
Transport in bulk according to Annex II of MARPOL73/78 and the IBC code	None.

## SECTION 15: Regulatory Information

15.1 Product specific safety, health & environmental regulations & legislation	
EU Directives	Regulation (EC) No 1907/2006 of the European Parliament and of the council of 18 <sup>th</sup> December 2006. Concerning the registration, evaluation, authorization & restriction of chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing council regulation (EEC) No793/93 & commission regulation (EC) No1488/94 as well as council directive 76/769/EEC & commission directive 91/155/ECC, 93/67/ECC, 93/105/EEC & 2000/21/EC (including amendments).
Statutory Instruments	The Chemicals (Hazard Information & Packaging for Supply Regulations 2009 (S.I.2009 No 716).
Approved Code of Practice	Classification & labelling of substances & preparations dangerous for supply. Safety data sheets for substances & preparations.
Guidance Notes	Workplace exposure limits EH40. CHIP for everyone HSG 108.
15.2 Chemical Safety Assessment	Assessment has not been carried out as this is a non-hazardous material according to article 31 of REACH 1907/2006.

## SECTION 16: Other Information

<b>Hazard and/ or precautionary statements in full.</b>	H226 Flammable liquid and vapour H228 Flammable solid. H315 Causes skin irritation H319 Causes serious eye irritation H317 May cause an allergic skin reaction H304 May be fatal if swallowed and enters airways H410 Very toxic to aquatic life with long lasting effects.
<b>Training Instructions: Refer to possible hazard before use of this product.</b>	
<b>Abbreviations &amp; Acronyms:</b>	
<b>MSDS</b>	Material Safety Data Sheet.
<b>INCI</b>	International Nomenclature of Cosmetic Ingredients.
<b>CAS</b>	Chemical Abstract Service.
<b>IMDG</b>	International Maritime code for Dangerous Goods.
<b>ADR</b>	Accord European sur le transport des marchandises Dangereuses par Route (European Agreement concerning the international Carriage of Dangerous goods by Road).
<b>RID</b>	International Carriage of Dangerous Goods by Rail.
<b>ICAO</b>	International Civil Aviation Organization.
<b>AND</b>	International Carriage of Dangerous Goods by Inland Waterways.
<b>GHS</b>	Globally Harmonized System of classification & labelling of chemicals.
<b>Trem Card</b>	Transport Emergency Card.
<b>STOT</b>	Specific Target Organ Toxicity.