

# SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

**Product:** Citronella oil, Java type

**Version:** 1

## Section 1. Identification of the substance or the mixture and of the supplier

### 1.1 Product Identifier

**Product identifier:** Citronella oil, Java type; CAS: 91771-61-8

**Other identifiers:** None

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Product uses:**

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

**Company name:** Ancient Wisdom Marketing Ltd

**Company address:** Block B, Parkwood Business Park  
75 Parkwood Road  
Sheffield  
S3 8AL  
United Kingdom

**Company phone:** +44 (0) 114 272 9165

### 1.4 Emergency telephone number

**Emergency phone:** +44 (0) 114 272 9165

## Section 2. Hazards identification

### 2.1 Classification of the substance or mixture

#### **Classification under Regulation (EC) No 1272/2008**

**Class and category of danger:** Flammable Liquid, Hazard Category 3  
Skin Corrosion / Irritation Category 2  
Eye Damage / Irritation Category 1  
Sensitization - Skin Category 1  
Hazardous to the Aquatic Environment - Long-term Hazard Category 2  
H226, Flammable liquid and vapour.  
H315, Causes skin irritation.  
H317, May cause an allergic skin reaction.  
H318, Causes serious eye damage.  
H411, Toxic to aquatic life with long lasting effects.

#### **Classification under Directive 67/548/EEC**

**Hazard symbols:** N, Dangerous for the environment.  
Xi, Irritant.

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**Risk phrases:** R38, Irritating to the skin.  
R41, Risk of serious damage to eyes.  
R43, May cause sensitisation by skin contact.  
R51/53, Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 2.2 Label elements

### Classification under Regulation (EC) No 1272/2008

**Signal word:** Danger

**Hazard statements:** H226, Flammable liquid and vapour.  
H315, Causes skin irritation.  
H317, May cause an allergic skin reaction.  
H318, Causes serious eye damage.  
H411, Toxic to aquatic life with long lasting effects.

**M factor:** None

**Supplemental Information:** None

**Precautionary statements:** 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.  
P303/361/353, IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P305/351/338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310, Immediately call a POISON CENTER or doctor/physician.  
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 for extinction: Foam, Dry chemical, Carbon dioxide.  
P391, Collect spillage.  
P403/235, Store in a well-ventilated place. Keep cool.  
P501, Dispose of contents/container to: approved disposal site.

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**Pictograms:**



**Other hazards:** None

## Section 3. Composition / information on ingredients

### 3.1 Substances

**Product identifier:** Citronella oil, Java type; CAS: 91771-61-8

**Contains:**

| Name   | CAS       | EC        | REACH Registration No. | %       | Classification for (DSD) 67/548/EEC | Classification for (CLP) 1272/2008                          |
|--|-----------|-----------|------------------------|---------|-------------------------------------|---|
| Citronellal  | 106-23-0  | 203-376-6 |                        | 20-<50% | Xi-N ; R38-R43-R51/53               | SCI 2-EDI 2-SS 1;H315-H317-H319,-                           |
| Geraniol   | 106-24-1  | 203-377-1 |                        | 20-<50% | Xi ; R38-R41-R43                    | SCI 2-EDI 1-SS 1;H315-H317-H318,-                           |
| dl-Citronellol   | 106-22-9  | 203-375-0 |                        | 10-<20% | Xi-N ; R38-R43-R51/53               | SCI 2-EDI 2-SS 1B;H315-H317-H319,-                          |
| Geranyl acetate  | 105-87-3  | 203-341-5 |                        | 5-<10%  | Xi-N ; R38-R43-R51/53               | SCI 2-SS 1-EH C3;H315-H317-H412,-                           |
| d,l-Limonene (isomer unspecified) ((+/-)-1-Methyl-4-(1-methylvinyl) cyclohexene) | 7705-14-8 | 231-732-0 |                        | 5-<10%  | Xi-N ; R10-R38-R43-R50/53           | FL 3-SCI 2-SS 1-AH 1-EH A1-EH C1;H226-H304-H315-H317-H410,- |
| Farnesol   | 4602-84-0 | 225-004-1 |                        | 1-<5%   | Xi ; R43-R36/38                     | SCI 2-EDI 2-SS 1B;H315-H317-H319,-                          |
| Linalool   | 78-70-6   | 201-134-4 |                        | 1-<5%   | Xi ; R38                            | SCI 2-EDI 2;H315-H319,-                                     |

## Section 4. First-aid measures

### 4.1 Description of first aid measures

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor/physician.

### 4.2 Most important symptoms and effects, both acute and delayed

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye damage.

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## 4.3 Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

### 5.2 Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

### 5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

## Section 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

### 6.2 Environmental precautions:

Keep away from drains, surface and ground water, and soil.

### 6.3 Methods and material for containment and cleaning up:

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.

### 6.4 Reference to other sections:

Also refer to sections 8 and 13.

## Section 7. Handling and storage

### 7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking.

### 7.2 Conditions for safe storage, including any incompatibilities:

Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

### 7.3 Specific end use(s):

Use in accordance with good manufacturing and industrial hygiene practices.

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## Section 8. Exposure controls/personal protection

### 8.1 Control parameters

**Workplace exposure limits:** Not Applicable

### 8.2 Exposure Controls

#### Eye / Skin Protection

Wear protective gloves/eye protection/face protection

#### Respiratory Protection

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.

## Section 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                       |                            |
|---------------------------------------|----------------------------|
| <b>Appearance:</b>                    | Yellow mobile liquid       |
| <b>Odour:</b>                         | Characteristic, lemon-like |
| <b>pH:</b>                            | Not determined             |
| <b>Initial boiling point / range:</b> | Not determined             |
| <b>Flash point:</b>                   | 57 °C                      |
| <b>Vapour pressure:</b>               | Not determined             |
| <b>Relative density:</b>              | Not determined             |
| <b>Solubility(ies):</b>               | Not determined             |
| <b>9.2 Other information:</b>         | None available             |

## Section 10. Stability and reactivity

### 10.1 Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

### 10.2 Chemical stability:

Good stability under normal storage conditions.

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## 10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

## 10.4 Conditions to avoid:

Avoid extreme heat.

## 10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

## 10.6 Hazardous decomposition products:

Not expected.

## Section 11. Toxicological information

### 11.1 Information on toxicological effects

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye damage.

|  |               |
|--|---------------|
| <b>Assumed Toxicity Value (LD50 or ATE) for Acute Oral Toxicity:</b>       | 4100          |
| <b>Assumed Toxicity Value (LD50 or ATE) for Acute Dermal Toxicity:</b>     | 4200          |
| <b>Assumed Toxicity Value (LC50 or ATE) for Acute Inhalation Toxicity:</b> | Not Available |
| <b>Inhalation Route:</b>   | Not Available |

Refer to Section 2 for additional information.

## Section 12. Ecological information

### 12.1 Toxicity:

Toxic to aquatic life with long lasting effects.

**12.2 Persistence and degradability:** Not available

**12.3 Bioaccumulative potential:** Not available

**12.4 Mobility in soil:** Not available

### 12.5 Results of PBT and vPvB assessment:

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

**12.6 Other adverse effects:** Not available

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## Section 13. Disposal considerations

### 13.1 Waste treatment methods:

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## Section 14. Transport information

**14.1 UN number:** UN1169  
**14.2 UN Proper Shipping Name:** EXTRACTS, AROMATIC, LIQUID  
**14.3 Transport hazard class(es):** 3  
**Sub Risk:** -  
**14.4. Packing Group:** III  
**14.5 Environmental hazards:** This is an environmentally hazardous substance.  
**14.6 Special precautions for user:** None additional  
**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:**  
 Not applicable

## Section 15. Regulatory information

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

None additional

### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

## Section 16. Other information

**Concentration % Limits:** EH C2=50.00% EH C3=4.95% SCI 2=11.49% EDI 1=12.00% EDI 2=3.31%  
 EDI 2A=3.31% SS 1=2.86%

**Total Fractional Values:** EH C2=2.00 EH C3=20.20 SCI 2=8.70 EDI 1=8.33 EDI 2=30.20 EDI  
 2A=30.20 SS 1=35.00

### Key to revisions:

Not applicable

### Key to abbreviations:

| Abbreviation | Meaning  |
|--------------|--|
| AH 1         | Aspiration Hazard Category 1                                       |
| EDI 1        | Eye Damage / Irritation Category 1                                 |
| EDI 2        | Eye Damage / Irritation Category 2                                 |
| EH A1        | Hazardous to the Aquatic Environment - Acute Hazard Category 1     |
| EH C1        | Hazardous to the Aquatic Environment - Long-term Hazard Category 1 |
| EH C3        | Hazardous to the Aquatic Environment - Long-term Hazard Category 3 |

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|              |  |
|--------------|--|
| FL 3         | Flammable Liquid, Hazard Category 3  |
| 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.   |
| H318         | Causes serious eye damage.   |
| H319         | Causes serious eye irritation.   |
| H410         | Very toxic to aquatic life with long lasting effects.  |
| H412         | Harmful to aquatic life with long lasting effects.   |
| 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.  |
| P302/352     | IF ON SKIN: Wash with plenty of soap and water.  |
| P303/361/353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.                       |
| P305/351/338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310         | Immediately call a POISON CENTER or doctor/physician.  |
| P331         | Do NOT induce vomiting.  |
| P332/313     | If skin irritation occurs: Get medical advice/attention.   |
| P333/313     | If skin irritation or rash occurs: Get medical advice/attention.   |
| P337/313     | If eye irritation persists: Get medical advice/attention.  |
| P362         | Take off contaminated clothing and wash before reuse.  |
| P370/378     | In case of fire: Use for extinction: Foam, Dry chemical, Carbon dioxide.   |
| P391         | Collect spillage.  |
| P403/235     | Store in a well-ventilated place. Keep cool.   |
| P405         | Store locked up.   |
| P501         | Dispose of contents/container to: approved disposal site.  |
| SCI 2        | Skin Corrosion / Irritation Category 2   |
| SS 1         | Sensitization - Skin Category 1  |
| SS 1B        | Sensitization - Skin Category 1B   |

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.