1 Identification

- **Product identifier**
  - **Trade name:** Kakadu Plum LSF 0712
  - **Article number:** LSF 0712
- **Relevant identified uses of the substance or mixture and uses advised against**
  - No further relevant information available.
- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:** Luxaroma Pty Ltd
    62 Blackshaw Ave
    MORTDALE, NSW 2223
    AUSTRALIA
    sales@luxaroma.com.au
- **Further information obtainable from:** Product safety department
- **Emergency telephone number:** During normal opening times: Poisons Information - 131 126

2 Hazard(s) Identification

- **Classification of the substance or mixture**
  - Skin Sens. 1  H317  May cause an allergic skin reaction.
  - Flam. Liq. 4  H227  Combustible liquid.
- **Label elements**
  - **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
  - **Hazard pictograms**
    - GHS07
- **Signal word** Warning
- **Hazard-determining components of labelling:**
  - Benzyl benzoate
  - α-hexylcinnamaldehyde
  - Oxanone
  - Veltol-plus
  - Citronellol
  - methyl cinnamate
  - 3-p-cumenyl-2-methylpropionaldehyde
  - Geraniol
  - 2,4-dimethylcyclohex-3-ene-1-carbaldehyde
  - geranyl acetate
  - Citral
- **Hazard statements**
  - Combustible liquid.
  - May cause an allergic skin reaction.
- **Precautionary statements**
  - If medical advice is needed, have product container or label at hand.

(Contd. on page 2)
Safety Data Sheet
according to WHS Regulations

Printing date 29.12.2017
Version number 1
Revision: 29.12.2017

Trade name: Kakadu Plum LSF 0712

Keep out of reach of children.
Read label before use.
Keep away from flames and hot surfaces. No smoking.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wear protective gloves/protective clothing/eye protection/face protection.
Specific treatment (see on this label).
Wash contaminated clothing before reuse.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

3 Composition and Information on Ingredients

- Chemical characterisation: Mixtures
- Description: Mixture of substances listed below with nonhazardous additions.

- Dangerous components:

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Chemical Name</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>120-51-4</td>
<td>Benzyl benzoate</td>
<td>≥10–&lt;13%</td>
</tr>
<tr>
<td>8008-56-8</td>
<td>Lemon oil</td>
<td>≥0.1–6.5%</td>
</tr>
<tr>
<td>5471-51-2</td>
<td>Oxanone</td>
<td>≥0.1–&lt;2.3%</td>
</tr>
<tr>
<td>88-41-5</td>
<td>2-tert-butylcyclohexyl acetate</td>
<td>≥0.25–≤2%</td>
</tr>
<tr>
<td>78-69-3</td>
<td>tetrahydrolinalool</td>
<td>≥0.1–&lt;2%</td>
</tr>
<tr>
<td>8016-20-4</td>
<td>Grapefruit oil</td>
<td>≥0.1–&lt;1.8%</td>
</tr>
<tr>
<td>8008-31-9</td>
<td>Mandarin oil</td>
<td>≥0.1–&lt;1.5%</td>
</tr>
<tr>
<td>101-86-0</td>
<td>α-hexylcinnamaldehyde</td>
<td>≥1–&lt;1.4%</td>
</tr>
<tr>
<td>115-95-7</td>
<td>linalyl acetate</td>
<td>≥0.1–&lt;1%</td>
</tr>
<tr>
<td>121-32-4</td>
<td>Bourbonal</td>
<td>≥0.1–&lt;1%</td>
</tr>
<tr>
<td>106-22-9</td>
<td>Citronellol</td>
<td>≥0.1–&lt;1%</td>
</tr>
<tr>
<td>103-26-4</td>
<td>methyl cinnamate</td>
<td>≥0.1–&lt;0.5%</td>
</tr>
<tr>
<td>103-95-7</td>
<td>3-p-cumenyl-2-methylpropionaldehyde</td>
<td>≥0.1–&lt;0.5%</td>
</tr>
<tr>
<td>106-24-1</td>
<td>Geranial</td>
<td>≥0.1–&lt;0.4%</td>
</tr>
<tr>
<td>68039-49-6</td>
<td>2,4-dimethylocyclohex-3-ene-1-carbaldehyde</td>
<td>≥0.25–&lt;0.3%</td>
</tr>
</tbody>
</table>
Trade name: Kakadu Plum LSF 0712

4 First Aid Measures

- Description of first aid measures
- After inhalation:
  Supply fresh air and be sure call for a doctor.
  In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.
- Information for doctor:
  Most important symptoms and effects, both acute and delayed No further relevant information available.
  Indication of any immediate medical attention and special treatment needed
  No further relevant information available.

5 Fire Fighting Measures

- Extinguishing media
- Suitable extinguishing agents:
  CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture No further relevant information available.
- Advice for firefighters
- Protective equipment: No special measures required.

6 Accidental Release Measures

- Personal precautions, protective equipment and emergency procedures
  Wear protective equipment. Keep unprotected persons away.
- Environmental precautions: Do not allow to enter sewers/surface or ground water.
- Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Ensure adequate ventilation.
- 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

- Handling:
- Precautions for safe handling No special precautions are necessary if used correctly.
- Information about fire - and explosion protection: Keep ignition sources away - Do not smoke.
8 Exposure controls and personal protection

- Additional information about design of technical facilities: No further data; see item 7.
- Control parameters
- Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Additional information: The lists valid during the making were used as basis.
- Exposure controls
- Personal protective equipment:
- General protective and hygienic measures:
  Immediately remove all soiled and contaminated clothing
  Wash hands before breaks and at the end of work.
- Respiratory protection: Not required.
- Protection of hands:

   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
- 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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- 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.
- Eye protection: Goggles recommended during refilling

9 Physical and Chemical Properties

- Information on basic physical and chemical properties
- General Information
- Appearance:
  Form: Liquid
  Colour: Light yellow
  Odour: Characteristic
  Odour threshold: Not determined.
**Safety Data Sheet**  
according to WHS Regulations

**Trade name: Kakadu Plum LSF 0712**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>pH-value:</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Change in condition</strong></td>
<td></td>
</tr>
<tr>
<td>Melting point/freezing point:</td>
<td>Undetermined.</td>
</tr>
<tr>
<td>Initial boiling point and boiling range:</td>
<td>Undetermined.</td>
</tr>
<tr>
<td><strong>Flash point:</strong></td>
<td>63 °C</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas):</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Decomposition temperature:</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature:</strong></td>
<td>Product is not selfigniting.</td>
</tr>
<tr>
<td><strong>Explosive properties:</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Explosion limits:</strong></td>
<td></td>
</tr>
<tr>
<td>Lower:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Upper:</td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Vapour pressure:</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Density:</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Relative density</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Vapour density</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Solubility in / Miscibility with water:</strong></td>
<td>Not miscible or difficult to mix.</td>
</tr>
<tr>
<td><strong>Partition coefficient: n-octanol/water:</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Viscosity:</strong></td>
<td></td>
</tr>
<tr>
<td>Dynamic:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Kinematic:</td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Solvent content:</strong></td>
<td></td>
</tr>
<tr>
<td>Organic solvents:</td>
<td>0.7 %</td>
</tr>
<tr>
<td>VOC (EC)</td>
<td>0.70 %</td>
</tr>
<tr>
<td><strong>Other information</strong></td>
<td>No further relevant information available.</td>
</tr>
</tbody>
</table>

### 10 Stability and Reactivity

- **Reactivity**: No further relevant information available.
- **Chemical stability**: 
- **Thermal decomposition / conditions to be avoided**: No decomposition if used according to specifications.
- **Possibility of hazardous reactions**: No dangerous reactions known.
- **Conditions to avoid**: No further relevant information available.
- **Incompatible materials**: No further relevant information available.
- **Hazardous decomposition products**: No dangerous decomposition products known.
11 Toxicological Information

· Information on toxicological effects
· Acute toxicity

· LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

<table>
<thead>
<tr>
<th></th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzyl benzoate</td>
<td>3,296 mg/kg</td>
<td>32,626 mg/kg (rabbit)</td>
</tr>
<tr>
<td>Bourbonal</td>
<td>1,700 mg/kg (rat)</td>
<td>4,000 mg/kg (rabbit)</td>
</tr>
<tr>
<td>Citronellol</td>
<td>3,450 mg/kg (rat)</td>
<td>2,650 mg/kg (rabbit)</td>
</tr>
<tr>
<td>methyl cinnamate</td>
<td>2,610 mg/kg (rat)</td>
<td></td>
</tr>
<tr>
<td>Citral</td>
<td>4,960 mg/kg (rat)</td>
<td></td>
</tr>
</tbody>
</table>

12 Ecological Information

· Toxicity
· Aquatic toxicity: No further relevant information available.
· Persistence and degradability No further relevant information available.
· Behaviour in environmental systems:
· Bioaccumulative potential No further relevant information available.
· Mobility in soil No further relevant information available.
· Additional ecological information:
· General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

· Results of PBT and vPvB assessment
· PBT: Not applicable.
· vPvB: Not applicable.

(Contd. on page 7)
### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
  Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

<table>
<thead>
<tr>
<th>· UN-Number</th>
<th>UN3082</th>
</tr>
</thead>
<tbody>
<tr>
<td>· UN proper shipping name</td>
<td></td>
</tr>
<tr>
<td>· ADG</td>
<td>3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl benzoate, Aldehyde C-16)</td>
</tr>
<tr>
<td>· IMDG</td>
<td>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl benzoate, Aldehyde C-16), MARINE POLLUTANT</td>
</tr>
<tr>
<td>· IATA</td>
<td>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl benzoate, Aldehyde C-16)</td>
</tr>
</tbody>
</table>

- **Transport hazard class(es)**
- **ADG, IMDG, IATA**

<table>
<thead>
<tr>
<th>· Class</th>
<th>9 Miscellaneous dangerous substances and articles.</th>
</tr>
</thead>
<tbody>
<tr>
<td>· Label</td>
<td>9</td>
</tr>
</tbody>
</table>

- **Packing group**
- **ADG, IMDG, IATA**

<table>
<thead>
<tr>
<th>· Class</th>
<th>III</th>
</tr>
</thead>
</table>

- **Environmental hazards:**
- Product contains environmentally hazardous substances:
  - Grapefruit oil
- **Marine pollutant:**
  - Symbol (fish and tree)
- **Special marking (ADG):**
  - Symbol (fish and tree)
- **Special marking (IATA):**
  - Symbol (fish and tree)

- **Special precautions for user**
- **Danger code (Kemler):**
  - 90
- **EMS Number:**
  - F-A,S-F
- **Stowage Category**
  - A

- **Transport in bulk according to Annex II of Marpol and the IBC Code**
  - Not applicable.
Trade name: Kakadu Plum LSF 0712

Transport/Additional information:

- **ADG**
  - Limited quantities (LQ) 5L
  - Excepted quantities (EQ) Code: E1
  - Maximum net quantity per inner packaging: 30 ml
  - Maximum net quantity per outer packaging: 1000 ml

- **IMDG**
  - Limited quantities (LQ) 5L
  - Excepted quantities (EQ) Code: E1
  - Maximum net quantity per inner packaging: 30 ml
  - Maximum net quantity per outer packaging: 1000 ml

- **UN "Model Regulation":**
  - UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BENZYL BENZOATE, ALDEHYDE C-16), 9, III

15 Regulatory information

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

  - **Australian Inventory of Chemical Substances (Substances not listed)**
    - 101-86-0 α-hexylcinnamaldehyde

  - **Standard for the Uniform Scheduling of Medicines and Poisons**
    - 8008-56-8 Lemon oil S5
    - 5392-40-5 Citral S5
    - 98-86-2 acetylphenone S5
    - 119-36-8 methyl salicylate S4, S5, S6

- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

- **Hazard pictograms**

  - GHS07

- **Signal word** Warning

- **Hazard-determining components of labelling:**
  - Benzyl benzoate
  - α-hexylcinnamaldehyde
  - Oxanone
  - Veltol-plus
  - Citronellol
  - methyl cinnamate
  - 3-p-cumenyl-2-methylpropionaldehyde
  - Geraniol
  - 2,4-dimethylcyclohex-3-ene-1-carbaldehyde
  - geranyl acetate
  - Citral

(Contd. on page 9)
· Hazard statements
  Combustible liquid.
  May cause an allergic skin reaction.

· Precautionary statements
  If medical advice is needed, have product container or label at hand.
  Keep out of reach of children.
  Read label before use.
  Keep away from flames and hot surfaces. No smoking.
  Avoid breathing dust/fume/gas/mist/vapours/spray.
  Wear protective gloves/protective clothing/eye protection/face protection.
  Specific treatment (see on this label).
  Wash contaminated clothing before reuse.
  Dispose of contents/container in accordance with local/regional/national/international regulations.

· Directive 2012/18/EU
  · Named dangerous substances - ANNEX I None of the ingredients is 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
  · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases
  H226 Flammable liquid and vapour.
  H227 Combustible liquid.
  H301 Toxic if swallowed.
  H302 Harmful if swallowed.
  H315 Causes skin irritation.
  H317 May cause an allergic skin reaction.
  H319 Causes serious eye irritation.
  H335 May cause respiratory irritation.

· Department issuing SDS: Product safety department

· Contact: Mr. Demello

· Abbreviations and acronyms:
  ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  IMDG: International Maritime Code for Dangerous Goods
  IATA: International Air Transport Association
  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)
  VOC: Volatile Organic Compounds (USA, EU)
  LC50: Lethal concentration, 50 percent
  LD50: Lethal dose, 50 percent
  PBT: Persistent, Bioaccumulative and Toxic
  vPvB: very Persistent and very Bioaccumulative
  Flam. Liq. 3: Flammable liquids – Category 3
  Flam. Liq. 4: Flammable liquids – Category 4
  Acute Tox. 3: Acute toxicity – Category 3
  Acute Tox. 4: Acute toxicity – Category 4
  Skin Irrit. 2: Skin corrosion/irritation – Category 2
  Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
  Skin Sens. 1: Skin sensitisation – Category 1
  STOT SE 3: Specific target organ toxicity (single exposure) – Category 3