

## **CERTIFICATE OF ANALYSIS**

Product: Baked Apple Fragrant Oil Batch Number: 4439802 Best Before Date: July 2024

| DESCRIPTION             | RESULT                       |
|-------------------------|------------------------------|
| Specific Gravity @ 20°C | 1.0942                       |
| Refractive Index @ 20°C | 1.5120                       |
| Odour                   | Characteristic               |
| Appearance              | Pale Yellow To Yellow Liquid |
| Flash Point             | >62                          |

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## ALLERGEN DECLARATION

We hereby confirm that the following item contains the components listed below. Stated are the total levels added plus levels from natural ingredients. The information is supplied to enable compliance with Cosmetic and Detergent regulations.

## BAKED APPLE

| Ingredient         | CAS       | EC        | Concentration (%) |
|--------------------|-----------|-----------|-------------------|
| Amyl cinnamal      | 122-40-7  | 204-541-5 | 0.3%              |
| Benzyl Benzoate    | 120-51-4  | 204-402-9 | 0.1665%           |
| Benzyl Cinnamate   | 103-41-3  | 203-109-3 | 0.06%             |
| Benzyl Salicylate  | 118-58-1  | 204-262-9 | 0.0525%           |
| Cinnamal           | 104-55-2  | 203-213-9 | 1.59%             |
| Cinnamyl Alcohol   | 104-54-1  | 203-212-3 | 0.03%             |
| Citral             | 5392-40-5 | 226-394-6 | 0.0008%           |
| Citronellol        | 106-22-9  | 203-375-0 | 0.021%            |
| Coumarin           | 91-64-5   | 202-086-7 | 2%                |
| Eugenol            | 97-53-0   | 202-589-1 | 5.3892%           |
| Geraniol           | 106-24-1  | 203-377-1 | 0.058%            |
| Hydroxycitronellal | 107-75-5  | 203-518-7 | 0.3%              |
| Isoeugenol         | 97-54-1   | 202-590-7 | 0.0004%           |
| Limonene           | 5989-27-5 | 227-813-5 | 0.286%            |
| Linalool           | 78-70-6   | 201-134-4 | 0.7201%           |

Please note allergens are declared above a concentration limit of 0.0001%

**Regulatory Affairs Department** 

## CERTIFICATE OF CONFORMITY WITH IFRA STANDARDS

This Certificate assesses the conformity of the fragrance mixture with IFRA Standards and provides restrictions for use as necessary. It is based only on those materials subject to IFRA Standards for the toxicity endpoints described in each Standard.

This Certificate does therefore not replace a comprehensive safety assessment of the fragrance mixture.

## SCOPE OF THE CERTIFICATE:

BAKED APPLE

## **COMPULSORY INFORMATION:**

We certify that the above mixture is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA), up to and including the 49th Amendment to the IFRA Code of Practice (published January 2020), provided it is used in the following categories at a maximum concentration level of:

| IFRA Categories [see Annex 1 below for details] | Maximum Level of use (%) |
|---|--------------------------|
| IFRA Category 1                                 | Not approved             |
| IFRA Category 2                                 | 0.88%                    |
| IFRA Category 3                                 | 1.32%                    |
| IFRA Category 4                                 | 15.72%                   |
| IFRA Category 5A                                | 4.02%                    |
| IFRA Category 5B                                | 2.64%                    |
| IFRA Category 5C                                | 4.02%                    |
| IFRA Category 5D                                | 0.88%                    |
| IFRA Category 6                                 | Not approved             |
| IFRA Category 7A                                | 9.00%                    |
| IFRA Category 7B                                | 9.00%                    |
| IFRA Category 8                                 | 0.88%                    |
| IFRA Category 9                                 | 16.66%                   |
| IFRA Category 10A                               | 16.66%                   |
| IFRA Category 10B                               | 16.66%                   |
| IFRA Category 11A                               | 0.88%                    |
| IFRA Category 11B                               | 0.88%                    |
| IFRA Category 12                                | 16.66%                   |

For other kinds of application or use at higher concentration levels, a new evaluation can be needed; please contact MADAR Corporation Ltd

## ADDITIONAL INFORMATION ABOUT INGREDIENTS

Information about presence and concentration of fragrance ingredients subject to IFRA Limits in the fragrance mixture BAKED APPLE is as follows:

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| Materials with an IFRA limit:                        | CAS number(s): | Concentration (%) in the<br>fragrance mixture |
|--|----------------|---|
| 1,1,2,3,3,6-hexamethylindan-5-yl methyl ketone       | 15323-35-0     | 0.0120%                                       |
| 2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde           | 68039-49-6     | 0.1000%                                       |
| 4-(4-hydroxyphenyl)butan-2-one                       | 5471-51-2      | 0.0300%                                       |
| 4-Allylveratrole                                     | 93-15-2        | 0.0005%                                       |
| 6,7-Dihydro-1,1,2,3,3-pentamethyl-4(5H)-<br>indanone | 33704-61-9     | 0.0006%                                       |
| Amyl cinnamal  | 122-40-7       | 0.3000%                                       |
| Amyl salicylate                                      | 2050-08-0      | 0.5000%                                       |
| Benzaldehyde   | 100-52-7       | 0.1060%                                       |
| Benzyl Benzoate                                      | 120-51-4       | 0.1665%                                       |
| Benzyl Cinnamate                                     | 103-41-3       | 0.0600%                                       |
| Benzyl Salicylate                                    | 118-58-1       | 0.0525%                                       |
| Cinnamal   | 104-55-2       | 1.5900%                                       |
| Cinnamyl Alcohol                                     | 104-54-1       | 0.0300%                                       |
| Citral   | 5392-40-5      | 0.0008%                                       |
| Citronellol  | 106-22-9       | 0.0210%                                       |
| Coumarin   | 91-64-5        | 2.0000%                                       |
| Eugenol  | 97-53-0        | 5.3892%                                       |
| Geraniol   | 106-24-1       | 0.0580%                                       |
| Hexyl salicylate                                     | 6259-76-3      | 0.8000%                                       |
| Hydroxycitronellal                                   | 107-75-5       | 0.3000%                                       |
| Isoeugenol   | 97-54-1        | 0.0004%                                       |
| Safrole  | 94-59-7        | 0.0600%                                       |
| a-Cedrene  | 469-61-4       | 0.0720%                                       |
| a-Methylcinnamaldehyde                               | 101-39-3       | 1.3000%                                       |
| p-Methoxybenzaldehyde                                | 123-11-5       | 0.2000%                                       |
| p-tolyl phenylacetate                                | 101-94-0       | 0.0015%                                       |
| trans-2-hexenal                                      | 6728-26-3      | 0.0300%                                       |

**Regulatory Affairs Department** 

## **ANNEX 1**

Below is an extract of information provided by IFRA in relation to types of application present in each IFRA Category. Additional information about IFRA Categories can be found in the Guidance to IFRA Standards, issued by IFRA.

| Product Type   |
|--|
| Products applied to the lips: Lip products e.g. lipstick, lip balm;<br>Childrens toys  |
| Products applied to the axillae: Deodorant and antiperspirant products of all types; Body sprays/mists   |
| Products applied to the face/body using fingertips: Eye<br>products e.g. eye make-up, eye moisturizer; Facial make-up;<br>Make-up remover; Nose pore strips; Wipes for face, neck,<br>hands, body; Facial masks; Body and face paint   |
| Products related to fine fragrance: Hydroalcoholic and non-<br>hydroalcoholic fine fragrance of all types e.g. Eau de Toilette,<br>Parfum, Cologne, solid perfume, fragrancing cream,<br>aftershaves of all types; Ingredients of perfume and fragrance<br>mixtures for cosmetic kits; Scent pads; Scent strips  |
| Body lotion products applied to the body using the hands<br>(palms), primarily leave on: Foot care products e.g. creams,<br>powders; Insect repellent for application to the skin; All<br>powders and talc (excluding baby powders and talc)   |
| Face moisturizer products applied to the face using the hands (palms), primarily leave on: Facial toner; Facial moisturizers and creams  |
| Hand cream products applied to the hands using the hands (palms), primarily leave on: Hand cream; Nail care products including cuticle creams; Hand sanitizers   |
| Baby creams, baby oils and baby talc: Baby cream/lotion, baby oil, baby powders and talc   |
| Products with oral and lip exposure: Toothpaste; Mouthwash,<br>including breath sprays; Toothpowder, strips, mouthwash<br>tablets  |
| Rinse-off products applied to the hair with some hand contact:<br>Hair permanent or other hair chemical treatments (rinse-off) e.<br>g. relaxers, including rinse-off hair dyes  |
| Leave-on products applied to the hair with some hand contact:<br>Hair sprays of all types e.g. pumps, aerosol sprays; Hair styling<br>aids non sprays e.g. mousse, leave- on conditioners; Hair<br>permanent or other hair chemical treatments (leave-on) e.g.<br>relaxers, including leave-on hair dyes; Shampoo - Dry<br>(waterless shampoo); Hair deodorizer  |
| Products with significant anogenital exposure: Intimate wipes;<br>Tampons; Baby wipes; Toilet paper (wet)  |
| Products with body and hand exposure, primarily rinse off: Bar<br>soap; Liquid soap; Shampoo of all type; Conditioner (rinse-off);<br>Body washes and shower gels of all types; Baby wash, bath,<br>shampoo; Bath gels, foams, mousses, salts, oils and other<br>products added to bathwater; Cleanser for face (rinse-off);<br>Shaving creams of all types e.g. stick, gels, foams; All<br>depilatories (including facial) and waxes for mechanical hair<br>removal; Foot care products (feet are placed in a bath for<br>soaking); Shampoos for pets |
| Household care excluding aerosol / spray products: Hand<br>wash laundry detergent; Laundry pre-treatment of all types e.g.<br>paste, sprays, sticks; Machine laundry detergents with skin<br>contact e.g. liquids, powders; Fabric softeners of all types<br>including fabric softener sheets; Ironing water; Hand<br>20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK  |
|  |

|                   | dishwashing detergent; Hard surface cleaners of all types e.g.<br>bathroom, kitchen cleansers, furniture polish; Toilet seat wipes;<br>Household cleaning products, other types including fabric<br>cleaners, carpet cleaners, furniture polishes sprays and wipes,<br>stain removers, treatment products for textiles e.g. starch<br>sprays; Floor wax; Dry cleaning kits; Fragranced oil for lamp<br>ring, reed diffusers, pot-pourri, liquid refills for air fresheners<br>(non-cartridge systems), etc.  |
|-------------------|--|
| IFRA Category 10B | Household aerosol/spray products: Animal sprays applied to<br>animals; Air freshener sprays, manual, including aerosol and<br>pump; Aerosol/spray insecticides   |
| IFRA Category 11A | Products with intended skin contact but minimal transfer of<br>fragrance to skin from inert substrate without UV exposure:<br>Feminine hygiene conventional pads, liners, interlabial pads;<br>Diapers (baby and adult); Adult incontinence pant, pad; Toilet<br>paper (dry)   |
| IFRA Category 11B | Products with intended skin contact but minimal transfer of<br>fragrance to skin from inert substrate with potential UV<br>exposure: Tights with moisturizers; Scented socks, gloves;<br>Facial tissues (dry tissues); Napkins; Paper towels; Wheat<br>bags; Facial masks (paper/protective) e.g. surgical masks not<br>used as medical device; Fertilizers, solid (pellet or powder)  |
| IFRA Category 12  | Products not intended for direct skin contact, minimal or<br>insignificant transfer to skin: Candles of all types ; Laundry<br>detergents for machine wash with minimal skin contact (e.g.<br>Liquid tabs, pods); Automated air fresheners and fragrancing of<br>all types e.g. concentrated aerosol with metered doses, plug-<br>ins, electrical, incense, liquid refills (cartridge); Air delivery<br>systems; Cat litter; Cell phone cases; Deodorizers/maskers not<br>intended for skin contact e.g. fabric drying machine<br>deodorizers, carpet powders; Fuels; Insecticides e.g. mosquito<br>coil, paper, electrical, for clothing, excluding aerosols/sprays;<br>Joss sticks or incense sticks; Dishwash detergent and<br>deodorizers - for machine wash; Olfactive board games;<br>Paints; Plastic articles (excluding toys); Scratch and sniff;<br>Scent pack; Scent delivery system (using dry air technology);<br>Shoe polishes; Rim blocks (Toilet) |

## SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: BAKED APPLE

Version: 12

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

**1.1 Product Identifier** 

**Product identifier:** BAKED APPLE (Contains:Cinnamal, Coumarin, Eugenol, a-Methylcinnamaldehyde)

Other identifiers: None

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

Product uses: For manufacturing purposes only.

- **1.3 Details of the supplier of the safety data sheet**
- **Company name:** MADAR Corporation Ltd

Company address: 19-20 Sandleheath Industrial Estate Fordingbridge Hampshire SP6 1PA

- E-Mail address: sales@madarcorporation.co.uk
- **Company phone:** +44 (0) 1425 655555
- 1.4 Emergency telephone number
- Emergency phone: +44 (0) 1425 655555 during office hours

## Section 2. Hazards identification

## 2.1 Classification of the substance or mixture

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

| Class and category of<br>danger: | Sensitization - Skin Category 1<br>Hazardous to the Aquatic Environment - Long-term Hazard Category 2<br>H317, May cause an allergic skin reaction.<br>H411, Toxic to aquatic life with long lasting effects.   |
|----------------------------------|---|
| 2.2 Label elements               |   |
| Signal word:                     | Warning   |
| Hazard statements:               | H317, May cause an allergic skin reaction.<br>H411, Toxic to aquatic life with long lasting effects.  |
| Supplemental<br>Information:     | EUH208, Contains 1,2,3,3a,4,5,6,8a-octahydro-2-isopropylidene-4,8-dimethylazulen-6-ol, 2,4-<br>Dimethyl-3-cyclohexen-1-carboxaldehyde, Amyl cinnamal, Geranyl acetate, Hexyl salicylate,<br>Hydroxycitronellal, Limonene, Linalool. May produce an allergic reaction. |
| Precautionary<br>statements:     | P261, Avoid breathing vapour or dust.<br>19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK<br>Tel: 01425 655555 Email: technical@madarcorporation.co.uk<br>Page 7 of 16  |

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| Product:    | BAKED APPLE   |
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|             | <ul> <li>P272, Contaminated work clothing should not be allowed out of the workplace.</li> <li>P273, Avoid release to the environment.</li> <li>P280, Wear protective gloves/eye protection/face protection.</li> <li>P302/352, IF ON SKIN: Wash with plenty of soap and water.</li> <li>P333/313, If skin irritation or rash occurs: Get medical advice/attention.</li> <li>P363, Wash contaminated clothing before reuse.</li> <li>P391, Collect spillage.</li> <li>P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.</li> </ul> |
| Pictograms: |   |

Other hazards:

None

## Section 3. Composition / information on ingredients

## 3.2 Mixtures

#### **Contains:**

| Name  | CAS       | EC        | REACH Registration<br>No. | %       | Classification for<br>(CLP) 1272/2008                           |
|---|-----------|-----------|---------------------------|---------|---|
| Eugenol   | 97-53-0   | 202-589-1 | 01-2119971802-33          | 5-<10%  | EDI 2-SS 1B;H317-<br>H319,-                                     |
| 2-Tert-butylcyclohexyl acetate  | 88-41-5   | 201-828-7 | 01-2119970713-33          | 1-<5%   | EH C2;H411,-  |
| 4-Hydroxy-3-<br>methoxybenzaldehyde   | 121-33-5  | 204-465-2 |                           | 1-<5%   | EDI 2;H319,-  |
| Coumarin  | 91-64-5   | 202-086-7 | 01-2119949300-45          | 1-<5%   | SS 1B;H317,-  |
| Cinnamal  | 104-55-2  | 203-213-9 |                           | 1-<5%   | ATD 4-SCI 2-EDI 2-SS<br>1;H312-H315-H317-<br>H319,-             |
| a-<br>Methylcinnamaldehyde  | 101-39-3  | 202-938-8 |                           | 1-<5%   | SS 1B;H317,-  |
| Hexyl salicylate  | 6259-76-3 | 228-408-6 | 01-2119638275-36-         | 0.1-<1% | SCI 2-SS 1-REP 2-EH<br>A1-EH C1;H315-H317-<br>H361-H400-H410,-  |
| Linalool  | 78-70-6   | 201-134-4 |                           | 0.1-<1% | SCI 2-EDI 2-SS 1B;<br>H315-H317-H319,-                          |
| 1-(5,6,7,8-Tetrahydro-<br>3,5,5,6,8,8-hexamethyl-<br>2-naphthyl)ethan-1-one | 1506-02-1 | 216-133-4 |                           | 0.1-<1% | ATO 4-EH A1-EH C1;<br>H302-H410,-                               |
| Amyl salicylate   | 2050-08-0 | 218-080-2 | 01-2119969444-27          | 0.1-<1% | ATO 4-EH A1-EH C1;<br>H302-H400-H410,-                          |
| Allyl heptanoate  | 142-19-8  | 205-527-1 | 01-2119488961-23          | 0.1-<1% | ATO 3-ATD 3-ATI 3-EH<br>A1-EH C3;H301-H311-<br>H331-H400-H412,- |

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| Amyl cinnamal  | 122-40-7   | 204-541-5 |                  | 0.1-<1% | SS 1B-EH C2;H317-<br>H411,-                                   |
|--|------------|-----------|------------------|---------|---|
| Hydroxycitronellal   | 107-75-5   | 203-518-7 |                  | 0.1-<1% | EDI 2-SS 1B;H317-<br>H319,-                                   |
| Limonene   | 5989-27-5  | 227-813-5 | 01-2119529223-47 | 0.1-<1% | FL 3-SCI 2-SS 1-EH<br>A1-EH C1;H226-H315-<br>H317-H400-H410,- |
| Benzyl Benzoate  | 120-51-4   | 204-402-9 | 01-2119976371-33 | 0.1-<1% | ATO 4-EH A1-EH C2;<br>H302-H400-H411,-                        |
| 2,4-Dimethyl-3-<br>cyclohexen-1-<br>carboxaldehyde                               | 68039-49-6 | 268-264-1 |                  | 0.1-<1% | SCI 2-SS 1B-EH C2;<br>H315-H317-H411,-                        |
| Geranyl acetate  | 105-87-3   | 203-341-5 |                  | 0.1-<1% | SCI 2-SS 1-EH C3;<br>H315-H317-H412,-                         |
| 1,2,3,3a,4,5,6,8a-<br>octahydro-2-<br>isopropylidene-4,8-<br>dimethylazulen-6-ol | 68129-81-7 | 268-578-9 |                  | 0.1-<1% | SCI 2-EDI 2-SS 1;<br>H315-H317-H319,-                         |
| a-Cedrene  | 469-61-4   | 207-418-4 |                  | <0.1%   | AH 1-EH A1-EH C1;<br>H304-H410,-                              |

## Substances with Community workplace exposure limits:

| Name              | CAS      | EC        | %       |
|-------------------|----------|-----------|---------|
| Benzyl Benzoate   | 120-51-4 | 204-402-9 | 0.1-<1% |
| Diethyl phthalate | 84-66-2  | 201-550-6 | 50-100% |

Substances that are persistent, bioaccumulative and toxic or very persistent and very bioaccumulative, greater than 0.1%:

Not Applicable

## Section 4. First-aid measures

## 4.1 Description of first aid measures

IF ON SKIN: Wash with plenty of soap and water.

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

May cause an allergic skin reaction.

## 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.

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## 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. 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.

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

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting 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.

## Section 8. Exposure controls/personal protection

## 8.1 Control parameters

Workplace exposure limits:

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| Ingredient                     | CAS                      | EC  | Description                                      | Value     |
|--------------------------------|--------------------------|---|--|-----------|
|                                |                          |   | UK WEL Long term mgm3                            | 5.1 mg/m³ |
| Benzyl Benzoate                | Benzyl Benzoate 120-51-4 |   | UK WEL Short term mgm3                           | 102 mg/m³ |
|                                |                          |   | Long-term exposure limit (8-hour<br>TWA) (mg/m3) | 2.6       |
| Diethyl phthalate 84-66-2 201- |                          | Long-term exposure limit (8-hour<br>TWA) (mg/m3)  | 5  |           |
|                                |                          | Short-term exposure limit (15-<br>minute) (mg/m3) | 10   |           |

## 8.2 Exposure Controls

## Eye / Skin Protection

Wear protective gloves/eye protection/face protection

## **Respiratory Protection**

Ensure adequate and ongoing ventilation is maintained in order to prevent build up of excessive vapour and to ensure occupational exposure limits are adhered to. If appropriate, and depending on your patterns and volumes of use, the following engineering controls may be required as additional protective measures: a) 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. b) Employ the use of Personal protective equipment - an approved, properly fitted respirator with organic vapour cartridges or canisters and particulate filters. c) Use local exhaust ventilation around open tanks and other open sources of potential exposures in order to avoid excessive inhalation, including places where this material is openly weighed or measured. In addition, use general dilution ventilation of the work area to eliminate or reduce possible worker exposures. d) 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

| Appearance:                                   | Pale Yellow to Yellow Liquid                 |
|---|--|
| Odour:  | Characteristic                               |
| Odour threshold:                              | Not determined                               |
| pH:   | Not determined                               |
| Melting point / freezing point:               | Not determined                               |
| Initial boiling point / range:                | Not determined                               |
| Flash point:                                  | > 62 °C                                      |
| Evaporation rate:                             | Not determined                               |
| Flammability (solid, gas):                    | Not determined                               |
| Upper/lower flammability or explosive limits: | Product does not present an explosion hazard |
| Vapour pressure:                              | Not determined                               |
| Vapour density:                               | Not determined                               |

Not determined 19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK Tel: 01425 655555 Email: technical@madarcorporation.co.uk Page 11 of 16

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| Relative density:                       | 1.0900 - 1.1020 |
|---|-----------------|
| Solubility(ies):                        | Not determined  |
| Partition coefficient: n-octanol/water: | Not determined  |
| Auto-ignition temperature:              | Not determined  |
| Decomposition temperature:              | Not determined  |
| Viscosity:                              | Not determined  |
| Explosive properties:                   | Not expected    |
| Oxidising properties:                   | Not expected    |
|   |                 |

9.2 Other information: 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.

#### 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

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP).

| Acute Toxicity:                    | Based on available data the classification criteria are not met. |
|------------------------------------|--|
| Acute Toxicity Oral                | >5000  |
| Acute Toxicity Dermal              | >5000  |
| Acute Toxicity Inhalation          | Not Available  |
| Skin corrosion/irritation:         | Based on available data the classification criteria are not met. |
| Serious eye damage/irritation:     | Based on available data the classification criteria are not met. |
| Respiratory or skin sensitisation: | Sensitization - Skin Category 1                                  |
| Germ cell mutagenicity:            | Based on available data the classification criteria are not met. |
| Carcinogenicity:                   | Based on available data the classification criteria are not met. |
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## SAFETY DATA SHEET

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Product: BAKED APPLE

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| Reproductive toxicity:  | Based on available data the classification criteria are not met. |
|-------------------------|--|
| STOT-single exposure:   | Based on available data the classification criteria are not met. |
| STOT-repeated exposure: | Based on available data the classification criteria are not met. |
| Aspiration hazard:      | Based on available data the classification criteria are not met. |

#### Information about hazardous ingredients in the mixture

| Ingredient       | CAS      | EC        | LD50/ATE Oral | LD50/ATE<br>Dermal | LC50/ATE<br>Inhalation | LC50<br>Route    |
|------------------|----------|-----------|---------------|--------------------|------------------------|------------------|
| Allyl heptanoate | 142-19-8 | 205-527-1 | 100           | 300                | 13                     | Not<br>available |
| Cinnamal         | 104-55-2 | 203-213-9 | 2500          | 1100               | Not available          | Not<br>available |

Refer to Sections 2 and 3 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:

This material contains \*% Volatile Organic 1.09195% Compounds.:

## 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:                    | UN3082  |
|------------------------------------|---|
| 14.2 UN Proper Shipping Name:      | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexyl salicylate, a-Cedrene) |
| 14.3 Transport hazard class(es):   | 9   |
| 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   |

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## 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=75.62% EH C3=7.56% SS 1=18.56% |
|--------------------------|--------------------------------------|
| Total Fractional Values: | EH C2=1.32 EH C3=13.22 SS 1=5.39     |
| Kouto mulaiona.          |                                      |

## Key to revisions:

Classification under Regulation (EC) No 1272/2008 Information about hazardous ingredients in the mixture SECTION 3: Composition/information on ingredients Workplace exposure limits

## Key to abbreviations:

| Abbreviation | Meaning  |
|--------------|--|
| AH 1         | Aspiration Hazard Category 1   |
| ATD 3        | Acute Toxicity - Dermal Category 3   |
| ATD 4        | Acute Toxicity - Dermal Category 4   |
| ATI 3        | Acute Toxicity - Inhalation Category 3   |
| ATO 3        | Acute Toxicity - Oral Category 3   |
| ATO 4        | Acute Toxicity - Oral Category 4   |
| 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 C2        | Hazardous to the Aquatic Environment - Long-term Hazard Category 2   |
| ЕН СЗ        | Hazardous to the Aquatic Environment - Long-term Hazard Category 3   |
| FL 3         | Flammable Liquid, Hazard Category 3  |
| H226         | Flammable liquid and vapour.   |
| H301         | Toxic if swallowed.  |
| H302         | Harmful if swallowed.  |
| H304         | May be fatal if swallowed and enters airways.  |
| H311         | Toxic in contact with skin.  |
| H312         | Harmful in contact with skin.  |
| H315         | Causes skin irritation.  |
| H317         | May cause an allergic skin reaction,<br>19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK |

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| H319         | Causes serious eye irritation.   |
|--------------|--|
| H331         | Toxic if inhaled.  |
| H361         | Suspected of damaging fertility or the unborn child (exposure route).  |
| H400         | Very 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.   |
| P202         | Do not handle until all safety precautions have been read and understood.  |
| 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.   |
| P270         | Do not eat, drink or smoke when using this product.  |
| P271         | Use only outdoors or in a well-ventilated area.  |
| 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.  |
| P301/312     | IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.   |
| 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.                       |
| P304/340     | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.                                 |
| P305/351/338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P308/313     | IF exposed or concerned: Get medical advice/attention.   |
| P311         | Call a POISON CENTRE or doctor/physician.  |
| P312         | Call a POISON CENTRE or doctor/physician if you feel unwell.   |
| P330         | Rinse mouth.   |
| P331         | Do not induce vomiting.  |
| P333/313     | If skin irritation or rash occurs: Get medical advice/attention.   |
| P337/313     | If eye irritation persists: Get medical advice/attention.  |
| P361         | Remove/Take off immediately all contaminated clothing.   |
| P362         | Take off contaminated clothing and wash before reuse.  |
| P363         | Wash contaminated clothing 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.   |
| P405         | Store locked up.   |
|              |  |

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| P501  | Dispose of contents/container to approved disposal site, in accordance with local regulations. |
|-------|--|
| REP 2 | Toxic to Reproduction Category 2   |
| 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. This material has not been evaluated for safe use in e-cigerettes. Therefore MADAR Corporation Ltd do not support the use in this particular application.