

## **CERTIFICATE OF ANALYSIS**

PRODUCT NAME: CORIANDER SEED, ESSENTIAL OIL

BATCH NUMBER: 4542601

PRODUCT INCI: CORIANDRUM SATIVUM SEED OIL

PRODUCT CODE: OECORI
CAS NUMBER: 84775-50-8
EINECS NUMBER: 283-880-0

BEST BEFORE DATE: 05/2027

| ANALYTICAL DETAILS      | RANGE                     | RESULTS |
|-------------------------|---------------------------|---------|
| Appearance              | LIQUID                    | -       |
| COLOUR                  | COLOURLESS - PALE YELLOW  | -       |
| Odour                   | Characteristic, Coriander | -       |
| SPECIFIC GRAVITY @ 20°C | 0.860 - 0.880             | 0.8665  |
| Refractive Index @ 20°C | 1.460 – 1.475             | 1.4650  |

#### **STORAGE CONDITIONS**

STORE IN A COOL DRY PLACE AWAY FROM HEAT & SUNLIGHT



## **ALLERGEN STATEMENT**

PRODUCT NAME: CORIANDER SEED, ESSENTIAL OIL

### **COSMETIC ALLERGENS**

| Annex Illa |                               | CACAUINADED | TOTAL ALLERGEN |
|------------|-------------------------------|-------------|----------------|
| Reference: |                               | CAS NUMBER: | INCLUSION (%): |
| 67         | AMYL CINNAMAL                 | 122-40-7    | 0.000          |
| 68         | BENZYL ALCOHOL                | 100-51-6    | 0.000          |
| 69         | CINNAMYL ALCOHOL              | 104-54-1    | 0.000          |
| 70         | CITRAL                        | 5392-40-5   | 0.000          |
| 71         | EUGENOL                       | 97-53-0     | 0.000          |
| 72         | HYDROXY-CITRONELLAL           | 107-75-5    | 0.000          |
| 73         | ISO EUGENOL                   | 97-54-1     | 0.000          |
| 74         | AMYLCIN-NAMYL ALCOHOL         | 101-85-9    | 0.000          |
| 75         | BENZYL SALICYLATE             | 118-58-1    | 0.000          |
| 76         | CINNAMAL                      | 104-55-2    | 0.000          |
| 77         | COUMARIN                      | 91-64-5     | 0.000          |
| 78         | GERANIOL                      | 106-24-1    | 1.0 – 2.0      |
| 79         | HYDROXYISOHEXYL 3-CYCLOHEXENE | 31906-04-4  | 0.000          |
| 79         | CARBOXALDEHYDE                | 31900-04-4  | 0.000          |
| 80         | ANISE ALCOHOL                 | 105-13-5    | 0.000          |
| 81         | BENZYL CINNAMATE              | 103-41-3    | 0.000          |
| 82         | FARNESOL                      | 4602-84-0   | 0.000          |
| 83         | BUTYLPHENYL METHYLPROPIONAL   | 80-54-6     | 0.000          |
| 84         | LINALOOL                      | 78-70-6     | 80.0 – 85.0    |
| 85         | BENZYL BENZOATE               | 120-51-4    | 0.000          |
| 86         | CITRONELLOL                   | 106-22-9    | 0.000          |
| 87         | HEXYL CINNAM-ALDEHYDE         | 101-86-0    | 0.000          |
| 88         | LIMONENE                      | 5989-27-5   | 1.0 – 2.0      |
| 89         | METHYL 2-OCTYNOATE            | 111-12-6    | 0.000          |
| 90         | ALPHA-ISOMETHYL IONONE        | 127-51-5    | 0.000          |
| 91         | EVERNIA PRUNASTRI EXTRACT     | 90028-68-5  | 0.000          |
| 92         | EVERNIA FURFURACEA EXTRACT    | 90028-67-4  | 0.000          |

### **FOOD ALLERGENS**

| Annex Illa |                             | PRESENT IN | CONTAMINATION | FACTORY   |
|------------|-----------------------------|------------|---------------|-----------|
| Reference: |                             | PRODUCT:   | PRESENCE:     | PRESENCE: |
| 1          | CEREALS (CONTAINING GLUTEN) | NO         | NO            | YES       |
| 2          | CRUSTACEANS                 | NO         | NO            | NO        |
| 3          | EGGS                        | NO         | NO            | NO        |
| 4          | FISH                        | NO         | NO            | NO        |
| 5          | PEANUTS                     | NO         | NO            | YES       |
| 6          | SOYA                        | NO         | NO            | YES       |
| 7          | MILK                        | NO         | NO            | YES       |
| 8          | NUTS                        | NO         | NO            | YES       |
| 9          | CELERY & CELERIAC           | NO         | NO            | YES       |
| 10         | MUSTARD                     | NO         | NO            | YES       |
| 11         | SESAME                      | NO         | NO            | YES       |
| 12         | SULPHUR DIOXIDE & SULPHITES | NO         | NO            | NO        |
| 13         | LUPIN                       | NO         | NO            | NO        |
| 14         | MOLLUSC                     | NO         | NO            | NO        |



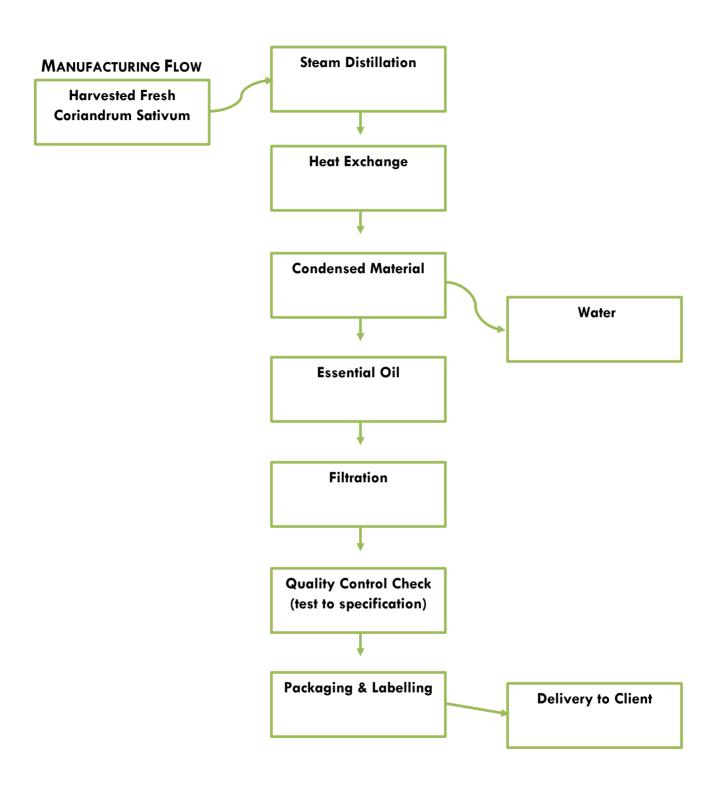
## MANUFACTURING FLOW & INCI STATEMENT

PRODUCT NAME: CORIANDER SEED, ESSENTIAL OIL

#### **INCI STATEMENT**

We can hereby confirm the following composition breakdown & manufacturing process flow.

| INCI Name              | % Inclusion | CAS Number             |
|------------------------|-------------|------------------------|
| Coriandrum Sativum Oil | 100         | 8008-52-4 / 84775-50-8 |





### **GMO Statement**

PRODUCT NAME: Coriander Essential Oil

MADAR Corporation Limited can confirm that the above listed product is  $\mathsf{GMO}$  Free.

29/07/2022



## IFRA STATEMENT

PRODUCT NAME: CORIANDER SEED, ESSENTIAL OIL

WE CERTIFY THAT THE ABOVE-MENTIONED MATERIAL CONFORMS TO THE IFRA 50 CODE OF PRACTICE AND CONTAINS THE FOLLOWING RESTRICTED COMPONENTS THAT ARE LISTED IN THE  $50^{\text{TH}}$  Amendment of the IFRA Code of Practice:

| Restricted Component | Cas No:  | % Level in Product | IFRA Standard             |
|----------------------|----------|--------------------|---------------------------|
| Geraniol             | 106-24-1 | ≤ 10.00            | Restriction Std (QRA cat) |

| IFRA Category    | % Maximum Use Level |
|------------------|---------------------|
| IFRA Category 1  | 53.075              |
| IFRA Category 2  | 15.61               |
| IFRA Category 3  | Not Restricted      |
| IFRA Category 4  | Not Restricted      |
| IFRA Category 5A | 74.93               |
| IFRA Category 5B | 74.93               |
| IFRA Category 5C | 74.93               |
| IFRA Category 5D | 74.93               |
| IFRA Category 6  | Not Restricted      |
| IFRA Category 7A | Not Restricted      |
| IFRA Category 7B | Not Restricted      |
| IFRA Category 8  | 31.221              |
| IFRA Category 9  | Not Restricted      |
| IFRA Category 10 | Not Restricted      |
| IFRA Category 11 | Not Restricted      |
| IFRA Category 12 | Not Restricted      |

| Category 1 | Lip Products of all types (solid and liquid lipsticks, balms, clear or coloured, etc.). Children's toys. | Yes | Applicable<br>(leave-on<br>products) |
|------------|--|-----|--------------------------------------|
|------------|--|-----|--------------------------------------|

| Category 2   | Deodorant and antiperspirant products of all types including any product with intended or reasonably foreseeable use on the axillae or labelled as such (spray, stick, roll-on, under-arm, deo-cologne, etc.). Body sprays (including body mist)   | No  | Applicable<br>(leave-on products)                               |
|--------------|--|-----|---|
| Category 3   | Eye products of all types (eye shadow, mascara, eyeliner, eye make-up, eye masks, eye pillows, etc.) including eye care and moisturizer  Facial make up and foundation. Make-up remover for face and eyes. Nose pore strips. Wipes or refreshing tissues for face, neck, hands, body. Body and face paint (for children and adults). Facial masks for face and around the eyes   | No  | Applicable<br>(leave-on products)                               |
| Category 4   | Hydro alcoholic and non-hydro alcoholic fine fragrance of all types (Eau de Toilette, Parfum, Cologne, solid perfume, fragrancing cream, aftershaves of all types, etc.). Fragranced bracelets. Ingredients of perfume kits and fragrance mixtures for cosmetic kits. Scent pads, foil packs. Scent strips for hydro alcoholic products  | No  | Applicable<br>(leave-on products)                               |
| Category 5A  | Body creams, oils, lotions of all types. Foot care products (creams and powders). Insect repellent (intended to be applied to the skin).  All powders and talc (excluding baby powders and talc).  | No  | Applicable<br>(leave-on products)                               |
| Category 5B  | Facial toner. Facial moisturizers and creams   | No  | Applicable<br>(leave-on products)                               |
| Category 5C  | (women facial creams) Hand cream. Nail care products including cuticle creams, etc. Hand sanitizers  | No  | Applicable<br>(leave-on products)                               |
| Category 5D  | Baby cream/lotion, baby oil, baby powders and talc.  | No  | Applicable<br>(leave-on products)                               |
| Category 6   | Toothpaste. Mouthwash, including breath sprays. Toothpowder, strips, mouthwash tablets   | Yes | Applicable (leave-on products)                                  |
| Category 7A  | Hair permanent or other hair chemical treatments (rinse-off) (e.g. relaxers), including rinse-off hair dyes  | No  | Applicable<br>(leave-on products)                               |
| Category 7B  | Hair sprays of all types (pumps, aerosol sprays, etc.). Hair styling aids non-sprays (mousse, gels, leave- on conditioners). Hair permanent or other hair chemical treatments (leave-on) (e.g. relaxers), including leave-on hair dyes. Shampoo - Dry (waterless shampoo). Hair deodorizer   | No  | Applicable<br>(leave-on products)                               |
| Category 8   | Intimate wipes. Tampons. Baby wipes. Toilet paper (wet).   | No  | Applicable<br>(leave-on products)                               |
| Category 9   | Bar soap. Shampoo of all type. Cleanser for face (rinse-off). Conditioner (rinse-off). Liquid soap. Body washes and shower gels of all types. Baby wash, bath, shampoo. Bath gels, foams, mousses, salts, oils and other products added to bathwater. Foot care products (feet are placed in a bath for soaking). Shaving creams of all types (stick, gels, foams, etc.). All depilatories (including facial) and waxes for mechanical hair removal. Shampoos for pets   |     | Applicable (rinse-off products)                                 |
| Category 10A | Hand wash laundry detergent (including concentrates). Laundry pre-treatment of all types (e.g. paste, sprays, sticks). Hand dishwashing detergent (including concentrates). Hard surface cleaners of all types (bathroom and kitchen cleansers, furniture polish, etc.). Machine laundry detergents with skin contact (e.g. liquids, powders) including concentrates. Dry cleaning kits. Toilet seat wipes. Fabric softeners of all types including fabric softener  |     | Applicable (rinse-off products)                                 |
| Category 10B | Animal sprays – sprays applied to animals of all types. Air freshener sprays, manual, including aerosol and pump.  Aerosol/spray insecticides  | NO  | Applicable (rinse-off products)                                 |
| Category 11A | Feminine hygiene conventional pads, liners, interlabial pads. Diapers (baby and adult).  |     | Not applicable<br>(leave-on products<br>without UV<br>exposure) |
| Category 11B | Tights with moisturizers. Scented socks, gloves. Facial tissues (dry tissues). Napkins. Paper towels. Wheat bags. Facial masks (paper/protective) e.g. surgical masks not used as medical device. Fertilizers, solid (pellet or powder).   | NO  | Applicable (leave-on products)                                  |
| Category 12  | Candles of all types (including encased). Laundry detergents for machine wash with minimal skin contact (e.g. Liquid tabs, pods). Automated air fresheners and fragrancing of all types (concentrated aerosol with metered doses (range 0.05-0.5mL/spray), plug-ins, closed systems, solid substrate, membrane delivery, electrical, powders, fragrancing sachets, incense, liquid refills (cartridge), air freshening crystals). Air delivery systems. Cat litter. Cell phone cases. Deodorizers/maskers not intended for skin contact (e.g. fabric drying machine deodorizers, carpet powders). Fuels. Insecticides (e.g. mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays. Joss sticks or incense sticks. Dish wash detergent and deodorizers – for machine wash. Olfactive board games. Paints. Plastic articles (excluding toys). Scratch and sniff. Scent pack. Scent delivery system (using dry air technology). Shoe polishes. Rim blocks (Toilet). | NO  | Not applicable (non-<br>skin contact<br>products)               |



### **Material Safety Data Sheet**

**EU Regulation: 1907/2006** 

| SECTION 1: IDENTIFICATION OF                  | THE SUBSTANCE                          | /MIXTURE                      | AND OF THE COMPANY/            | UNDERTAKING |           |  |  |  |
|---|--|-------------------------------|--------------------------------|-------------|-----------|--|--|--|
| 1.1 PRODUCT IDENTIFICATION                    |  |                               |                                |             |           |  |  |  |
| PRODUCT NAME                                  | CORIANDER SEED, ESS                    | CORIANDER SEED, ESSENTIAL OIL |                                |             |           |  |  |  |
| INCI NAME                                     | CORIANDRUM SATIV                       | um Seed Oil                   |                                |             |           |  |  |  |
| SYNONYMS & TRADE NAMES                        | -                                      | -                             |                                |             |           |  |  |  |
| INTERNAL PRODUCT CODE                         | OECORI                                 |                               |                                |             |           |  |  |  |
| CAS-No  | 84775-50-8                             | EC No.                        | 283-880-0                      | EINECS No.  | 283-880-0 |  |  |  |
|   |  |                               |                                |             |           |  |  |  |
| 1.2 DETAILS OF THE SUPPLIER OF THE SAFETY DAT | A SHEET                                |                               |                                |             |           |  |  |  |
| Company Address                               | Madar Corporation<br>19 - 20 Sandlehea |                               | istate, Fordingbridge, SP6 1PA | 4           |           |  |  |  |
| EMAIL   | technical@madarcorpo                   | ration.co.uk                  |                                |             |           |  |  |  |
| 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DAT | A SHEET                                |                               |                                |             |           |  |  |  |
| EMERGENCY CONTACTS                            | 01425 655 555                          |                               |                                |             |           |  |  |  |

**SECTION 2: HAZARDS IDENTIFICATION** 

| 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE | THE FULL TEXT FOR ALL HAZARD STATEMENTS DISPLAYED IN SECTION 16.  HYDROCARBON CONTENT: 15%  HUMAN HEALTH: MAY CAUSE SERIOUS EYE DAMAGE AND SKIN IRRITATION MAY CAUSE LUNG DAMAGE IF SWALLOWED.  ENVIRONMENT: THE PRODUCT CONTAINS A SUBSTANCE WHICH IS TOXIC TO AQUATIC ORGANISMS AND WHICH MAY CAUSE LONG TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.  |
|--|--|
| CLASSIFICATION (67/548/EEC)                    | NO ADDITIONAL DATA AVAILABLE.  |
| CLASSIFICATION (EU1272/2008)                   | PHYSICAL HAZARDS: NOT CLASSIFIED.  HEALTH HAZARDS: SKIN IRRIT. 2 - H315; EYE IRRIT. 2 - H319; SKIN SENS. 1 - H317; ASP. TOX. 1 - H304  ENVIRONMENTAL HAZARDS: AQUATIC CHRONIC 2 - H411   |
| 2.2 LABEL ELEMENTS                             | Label in accordance with Regulation (EC) No 1272/2008.   |
| GHS LABEL                                      |  |
| Signal Word                                    | DANGER.  |
| Contains                                       | GERANIOL, LIMONENE, PINENES  |
| HAZARDS STATEMENT                              | H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects.  |
| Signal Word                                    | DANGER.  |
| Precautionary Statements                       | P273 AVOID RELEASE TO THE ENVIRONMENT. P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/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. P305+351+338 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.   |
| SUPPLEMENTARY PRECAUTIONARY STATEMENTS         | P272 CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE. P261 AVOID BREATHING VAPOUR/SPRAY. P264 WASH CONTAMINATED SKIN THOROUGHLY AFTER HANDLING. P321 SPECIFIC TREATMENT (SEE MEDICAL ADVICE ON THIS LABEL). P313 GET MEDICAL ADVICE/ATTENTION. 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 IF EYE IRRITATION PERSISTS: P362 TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE. P363 WASH CONTAMINATED CLOTHING BEFORE REUSE. P391 COLLECT SPILLAGE. P405 STORE LOCKED UP. P501 DISPOSE OF CONTENTS/CONTAINER TO |
|  |  |



| 2.3<br>Other Hazards                  |               |         |         |          |   |                                 |
|---------------------------------------|---------------|---------|---------|----------|---|---------------------------------|
| Adverse Physio-Chemical properties    | NO DATA.      |         |         |          |   |                                 |
| Adverse effects on human health       | NO DATA       |         |         |          |   |                                 |
| PBT OR VPVB ACCORDING TO ANNEX XIII   | NO DATA       |         |         |          |   |                                 |
|                                       |               |         |         |          |   |                                 |
| SECTION 3: COMPOSITION OF INGREDIENTS |               |         |         |          |   |                                 |
|                                       |               |         |         |          |   |                                 |
|                                       | Chemical Name | EC No.  | CAS No. | Weight-% | Classification<br>according to<br>Regulation (EC)<br>No. 1272/2008<br>[CLP]   | REACH<br>registration<br>number |
| 3.1<br>MIXTURES                       | Linalool      | Present | 78-70-6 | 80 < 90% | Aquatic Acute 3<br>(H402) (EFFA) Eye<br>Irrit. 2 (H319) (EFFA)<br>Skin Irrit. 2 (H315)<br>(EFFA) Acute Tox. 5<br>(H303) (EFFA) Flam.<br>Liq. 4 (H227)(EFFA)<br>Skin Sens. 1B (H317)<br>(EFFA) | No data available               |
|                                       |               | 1       |         |          | (=:/)   | No data available               |

|                 |         |           |          | (EFFA) Skin Irrit. 2<br>(H315) (EFFA) Asp.<br>Tox. 1 (H304) (EFFA)<br>Flam. Liq. 3<br>(H226)(EFFA)  |                   |
|-----------------|---------|-----------|----------|---|-------------------|
| Camphor, d-     | Present | 464-49-3  | 1 < 10%  | STOT SE 2 (H371),<br>Aquatic Acute 2<br>(H401), Flam. Sol 2<br>(H228), Acute Tox. 4<br>(H302), Acute Tox. 4<br>(H332), Skin Irrit. 2<br>(H315), Eye Dam. 1<br>(H318), Aquatic<br>Chronic 2 (H411)   | No data available |
| gamma-Terpinene | Present | 99-85-4   | 1 < 10%  | Rep 2 (H361), Flam.<br>Liq. 3, Aspir Haz. 1<br>(H304), Acute Tox 5<br>(H303), Skin Irrit. 3<br>(H316)   | No data available |
| d-Limonene      | Present | 5989-27-5 | 1 < 10%  | Fiammable Liq. 3<br>(H226)(EFFA) Skin<br>Irrit. 2 (H315)(EFFA)<br>Skin Sens. 18<br>(H317)(EFFA) Asp.<br>Tox. 1 (H304)(EFFA)<br>Aquatic Acute 1<br>(H440)(EFFA) Aquatic<br>Chronic 1<br>(H410)(EFFA) | No data availabl  |
| Geraniol        | Present | 106-24-1  | 1 < 10%  | Skin Sens. 1B (H317)<br>Skin Irrit. 2 (H315) Eye<br>Dam. 1 (H318)<br>Aquatic Acute 3<br>(H402) Acute Tox. 5<br>(Oral)(H303)   | No data available |
| Geranyl acetate | Present | 105-87-3  | 1 < 10%  | Skin Sens. 1B (H317)<br>Skin Irrit. 2 (H315)<br>Aquatic Chronic 3<br>(H412) Aquatic Acute<br>2 (H401)   | No data available |
| Myrcene         | Present | 123-35-3  | 0.1 < 1% | Eye Irrit. 2 (H319)<br>(EFFA) Skin Irrit. 2<br>(H315) (EFFA) Asp.<br>Tox. 1 (H304) (EFFA)<br>Flam. Liquid 3 (H226)<br>(EFFA) Acute Aquatic<br>1 (H400) (EFFA)<br>Chronic Aquatic 2<br>(H411) (EFFA) | No data available |
| Camphene        | Present | 79-92-5   | 0.1 < 1% | Aquatic Acute 1<br>(H400) (EFFA) Eye<br>Irrit. 2B (H320) (EFFA)<br>Aquatic Chronic 1<br>(H410) (EFFA) Flam.<br>Sol 2 (H228) (EFFA)  | No data available |
| para-Cymene     | Present | 99-87-6   | 0.1 < 1% | Rep Tox. 2 (H361),<br>Aquatic Acute 2<br>(H401), Skin Irrit. 3<br>(H316), Aquatic<br>Chronic 2 (H411),<br>Asp. Tox. 1 (H304),<br>Acute Tox. 5<br>(H303),Flam. Liq. 3<br>(H226)                      | No data available |
| Terpinolene     | Present | 586-62-9  | 0.1 < 1% | Aquatic Acute 1<br>(H400) (EFFA) EFFA)<br>Aquatic Chronic 1<br>(H410) (EFFA) Asp.<br>Tox. 1 (H304) (EFFA)<br>Acute Tox. 5   | No data available |



|                    |         |            |             |  | <del></del>       |
|--------------------|---------|------------|-------------|--|-------------------|
|                    |         |            |             | (H303)(EFFA) Flam.<br>Liq. 4 (H227)(EFFA)<br>Skin Irrit. 3 (H316)<br>(EFFA) Skin Sens. 1<br>(H317) (EFFA)  |                   |
| beta-Pinene        | Present | 127-91-3   | 0.1 < 1%    | Acute Aquatic 1<br>(H400) (EFFA)<br>Chronic Aquatic 1<br>(H410) (EFFA) Skin<br>Sens. 1 (H317)<br>(EFFA) Skin Irrit. 2<br>(H315) (EFFA) Asp.<br>Tox. 1 (H304) (EFFA)<br>Flam. Liq. 3<br>(H226)(EFFA)                            | No data available |
| Sabinene           | Present | 3387-41-5  | 0.1 < 1%    | Aspiration cat 1<br>(H304), Flam cat 3<br>(H226), Skin Irri cat 2<br>(H315), Skin sensi cat<br>1B (H317), Acute<br>aquatic cat 1 (H400),<br>Chroic aquatic cat 1<br>(H410)   | No data available |
| alpha-Terpinene    | Present | 99-86-5    | 0.01 < 0.1% | Aquatic Acute 2<br>(H401) (EFFA) Skin<br>Irrit. 3 (H316) (EFFA)<br>Aquatic Chronic 2<br>(H411) (EFFA) Asp.<br>Tox. 1 (H304) (EFFA)<br>Acute Tox. 4 (H302)<br>(EFFA) Flam. Liq. 3<br>(H226)(EFFA)                               | No data available |
| trans beta-Ocimene | Present | 3779-61-1  | 0.01 < 0.1% | Acute Tox. 5 (H303)<br>(EFFA) Asp. Tox. 1<br>(H304) (EFFA) Skin<br>Irrit. 2 (H315) (EFFA)<br>Acute Aquatic 1<br>(H400) (EFFA)<br>Chronic Aquatic 2<br>(H411) (EFFA) Flam.<br>Liq. 3 (H226) (EFFA)                              | No data available |
| delta-3-Carene     | Present | 13466-78-9 | 0.01 < 0.1% | Skin Sens. 1 (H317)<br>(EFFA) Skin Irrit. 2<br>(H315) (EFFA) Asp.<br>Tox. 1 (H304) (EFFA)<br>Acute Tox. 5<br>(H303)(EFFA) Flam.<br>Liq. 3 (H226)(EFFA)<br>Acute Aquatic 1<br>(H400)(EFFA) Chronic<br>Aquatic 1<br>(H410)(EFFA) | No data available |
|                    |         |            |             |  |                   |

| SECTION 4: FIRST AID MEASURES   |  |
|---|--|
| 4.1 DESCRIPTION OF FIRST AID MEASURES   |  |
| GENERAL INFORMATION   | ALWAYS REMOVE CONTAMINATED CLOTHING IMMEDIATELY.   |
| INHALATION  | GET MEDICAL ATTENTION IMMEDIATELY. REMOVE FROM EXPOSURE SITE TO FRESH AIR, KEEP AT REST, AND OBTAIN MEDICAL ATTENTION. |
| Ingestion   | GET MEDICAL ATTENTION IMMEDIATELY. IMMEDIATELY CALL THE DOCTOR. RINSE MOUTH WITH WATER AND OBTAIN MEDICAL ATTENTION.   |
| SKIN CONTACT  | REMOVE CONTAMINATED CLOTHES. WASH THOROUGHLY WITH SOAP AND WATER. CONTACT PHYSICIAN IF IRRITATION PERSISTS.            |
| EYE CONTACT   | FLUSH IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES. CONTACT PHYSICIAN IF SYMPTOMS PERSIST.                           |
| 4.2 MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE & DELAYED)                         | OBSERVE RISK OF ASPIRATION IF VOMITING OCCURS.   |
| 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR SPECIAL TREATMENT REQUIRED | TREAT SYMPOMATICALLY.  |



| SECTION 5: FIRE FIGHTING MEASURES                       |   |                          |                          |  |  |   |
|---|---|--------------------------|--------------------------|--|--|---|
| 2011014 5.1 INC HOHIMO MEASURES                         |   |                          |                          |  |  |   |
| j.1   | 5 6-0 P 6   |                          |                          |  |  |   |
| XTINGUISHING MATERIAL                                   | FOAM, CO2, DRY CHEA   | AICAL POWDER.            |                          |  |  |   |
| .2 PECIAL HAZARDS ARISING FROM THE SUBSTANCE OR NIXTURE | BURNING PRODUCES IRRITATING, TOXIC AND OBNOXIOUS FUMES  |                          |                          |  |  |   |
| i.3   | SPECIAL PROTECTIVE EQ   | UIPMENT FOR FIRE-FI      | GHTERS:                  |  |  |   |
| ADVICE FOR FIRE-FIGHTERS                                | WEAR POSITIVE-PRESSU  | RE SELF-CONTAINED        | BREATHING APPAR          | atus (SCBA) and  | APPROPRIATE PROT   | ECTIVE CLOTHING.  |
| SECTION 6: ACCIDENTAL RELEASE MEASUR                    | ₹ES   |                          |                          |  |  |   |
|   | ENGLIDE A DEOLIA TE VENTU   | ATION OF THE MO          | DELLE A DEA EVACI        | ATE DEDCOMMENTO  | CAEE ADEA \A/EAD   | CLIITA DLE DDOTECTI   |
| 6.1   | ENSURE ADEQUATE VENTILE EQUIPMENT. NO SMOKING   |                          |                          |  |  |   |
| PERSONAL PRECAUTIONS                                    | EYES AND CLOTHING. AV   |                          |                          |  |  |   |
| .2<br>NVIRONMENTAL PRECAUTIONS                          | DO NOT DISCHARGE INTO GUIDELINES.   | DRAINS, WATER CO         | DURSES OR ONTO T         | HE GROUND. DISPO   | OSE OF IN LINE WITH  | H LOCAL AUTHORIT  |
| 5.3   | REMOVE IGNITION SOURCE  |                          |                          |  |  |   |
| AETHODS & MATERIAL FOR CONTAINMENT AND CLEANING         | SPILLAGE IMMEDIATELY BY   |                          |                          |  |  | ATIONS, COVER W   |
| JP<br>5.4   | AN INERT, INORGANIC, NO   |                          | POCKRENI WATERIAL        | LEG DRY-LIME, SAI  | ND, SODA ASHJ.   |   |
| REFERENCES TO OTHER SECTIONS                            | REFER & CONSIDER SECTION  | DN 12.                   |                          |  |  |   |
|   |   |                          |                          |  |  |   |
| SECTION 7: HANDLING & STORAGE                           |   |                          |                          |  |  |   |
|   | HANDLE IN ACCORDANCE WITH GOOD HYGIENE AND SAFETY PRACTICE. KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES AN   |                          |                          |  |  |   |
| <u>.</u> 1  | HOT SURFACES NO SMO   |                          |                          |  |  |   |
| RECAUTIONS FOR SAFE-HANDLING                            | MANUFACTURING AND INDUSTRIAL HYGIENE PRACTICES. USE IN AREAS WITH ADEQUATE VENTILATION DO NOT EAT, DRINK SMOKE WHEN USING THIS PRODUCT.   |                          |                          |  |  |   |
|   | SMOVE MULEN OSING IHIS  | , rkODUCI.               |                          |  |  |   |
| 7.2   | STORAGE CLASS FLOOR   | ADJE HOURD STORES        | er Stone overver         | THE OBJOINING PERSON   | TACLE VESS CO.   | TAINIED TIQUETY SE  |
| CONDITIONS FOR SAFE STORAGE, INCLUDING ANY              |   |                          |                          | TAINER HIGHTLY SE  |  |   |
| NCOMPATIBILITIES  | KEEP IN COOL, DRY, VENT   | ILATED STORAGE AN        | ID CLOSED CONTAIN        | VERS. KEEP AWAY I  | FROM HEAT.   |   |
| 7.3   | THE INFORMATION REQUI   | IRED IS CONTAINED I      | N THIS MATERIAL S        | AFFTY DATA   |  |   |
| PECIFIC END USE(S)                                      | THE IN ORMATION REGOT   | KED 13 CONTAINED 1       | IV IIIIS MAILKIAL S      | AILII DAIA   |  |   |
| SECTION 8: Exposure Controls &                          |   |                          |                          |  |  |   |
| PERSONAL PROTECTION                                     |   |                          |                          |  |  |   |
|   |   |                          |                          |  |  |   |
|   |   |                          |                          |  |  |   |
|   | Chemical Name   | European Union           | United Kingdom           | France   | Spain  | Germany   |
|   | Chemical Name<br>alpha-Pinene<br>80-56-8  | European Union           | United Kingdom<br>-      | France<br>TWA: 1000 mg/m³<br>STEL: 1500 mg/m³  | Spain<br>TWA: 20 ppm<br>TWA: 113 mg/m <sup>3</sup>   | Germany<br>-  |
|   | alpha-Pinene<br>80-56-8<br>gamma-Terpinene  | European Union<br>-<br>- | United Kingdom<br>-<br>- | TWA: 1000 mg/m <sup>3</sup><br>STEL: 1500 mg/m <sup>3</sup><br>TWA: 1000 mg/m <sup>3</sup>   | TWA: 20 ppm  | Germany<br>-<br>-   |
|   | alpha-Pinene<br>80-56-8<br>gamma-Terpinene<br>99-85-4<br>d-Limonene   | -                        | -                        | TWA: 1000 mg/m <sup>3</sup><br>STEL: 1500 mg/m <sup>3</sup><br>TWA: 1000 mg/m <sup>3</sup><br>STEL: 1500 mg/m <sup>3</sup><br>TWA: 1000 mg/m <sup>3</sup>  | TWA: 20 ppm<br>TWA: 113 mg/m <sup>3</sup>  | -<br>TWA: 5 ppm   |
|   | alpha-Pinene<br>80-56-8<br>gamma-Terpinene<br>99-85-4   | -                        | -                        | TWA: 1000 mg/m <sup>3</sup><br>STEL: 1500 mg/m <sup>3</sup><br>TWA: 1000 mg/m <sup>3</sup><br>STEL: 1500 mg/m <sup>3</sup>   | TWA: 20 ppm<br>TWA: 113 mg/m <sup>3</sup>  | TWA: 5 ppm<br>TWA: 28 mg/m³<br>Ceiling / Peak: 20 ppr   |
|   | alpha-Pinene<br>80-56-8<br>gamma-Terpinene<br>99-85-4<br>d-Limonene   | -                        | -                        | TWA: 1000 mg/m <sup>3</sup><br>STEL: 1500 mg/m <sup>3</sup><br>TWA: 1000 mg/m <sup>3</sup><br>STEL: 1500 mg/m <sup>3</sup><br>TWA: 1000 mg/m <sup>3</sup>  | TWA: 20 ppm<br>TWA: 113 mg/m <sup>3</sup><br>-<br>S*<br>TWA: 30 ppm                                  | TWA: 5 ppm<br>TWA: 28 mg/m³<br>Ceiling / Peak: 20 ppr<br>Ceiling / Peak: 112<br>mg/m³         |
|   | alpha-Pinene<br>80-56-8<br>gamma-Terpinene<br>99-85-4<br>d-Limonene   | -                        | -                        | TWA: 1000 mg/m <sup>3</sup><br>STEL: 1500 mg/m <sup>3</sup><br>TWA: 1000 mg/m <sup>3</sup><br>STEL: 1500 mg/m <sup>3</sup><br>TWA: 1000 mg/m <sup>3</sup>  | TWA: 20 ppm<br>TWA: 113 mg/m <sup>3</sup><br>-<br>S*<br>TWA: 30 ppm                                  | TWA: 5 ppm<br>TWA: 28 mg/m³<br>Ceiling / Peak: 20 ppi<br>Ceiling / Peak: 112                  |
|   | alpha-Pinene<br>80-56-8<br>gamma-Terpinene<br>99-85-4<br>d-Limonene<br>5989-27-5  | -                        | -                        | TWA: 1000 mg/m³<br>STEL: 1500 mg/m³<br>TWA: 1000 mg/m³<br>STEL: 1500 mg/m³<br>TWA: 1000 mg/m³<br>STEL: 1500 mg/m³  | TWA: 20 ppm<br>TWA: 113 mg/m <sup>3</sup><br>-<br>S*<br>TWA: 30 ppm                                  | TWA: 5 ppm<br>TWA: 28 mg/m³<br>Ceiling / Peak: 20 ppr<br>Ceiling / Peak: 112<br>mg/m³         |
| 1   | alpha-Pinene 80-56-8 gamma-Terpinene 99-85-4 d-Limonene 5989-27-5   | -                        | •                        | TWA: 1000 mg/m³ STEL: 1500 mg/m³ TWA: 1000 mg/m³ STEL: 1500 mg/m³ TWA: 1000 mg/m³ STEL: 1500 mg/m³ STEL: 1500 mg/m³ STEL: 1500 mg/m³ STEL: 1500 mg/m³  | TWA: 20 ppm<br>TWA: 113 mg/m³<br>-<br>-<br>S*<br>TWA: 30 ppm<br>TWA: 168 mg/m³                       | TWA: 5 ppm<br>TWA: 28 mg/m³<br>Ceiling / Peak: 20 ppr<br>Ceiling / Peak: 112<br>mg/m³<br>Skin |
|   | alpha-Pinene 80-56-8 gamma-Terpinene 99-85-4 d-Limonene 5989-27-5  Myrcene 123-35-3 Camphene 79-92-5  | -                        | -                        | TWA: 1000 mg/m³ STEL: 1500 mg/m³ STEL: 1500 mg/m³ STEL: 1500 mg/m³ TWA: 1000 mg/m³ STEL: 1500 mg/m³ STEL: 1500 mg/m³ TWA: 1000 mg/m³ STEL: 1500 mg/m³  | TWA: 20 ppm<br>TWA: 113 mg/m³<br>S*<br>TWA: 30 ppm<br>TWA: 168 mg/m³                                 | TWA: 5 ppm<br>TWA: 28 mg/m³<br>Ceiling / Peak: 20 ppr<br>Ceiling / Peak: 112<br>mg/m³<br>Skin |
|   | alpha-Pinene 80-56-8 gamma-Terpinene 99-85-4 d-Limonene 5989-27-5  Myrcene 123-35-3 Camphene  | -                        | •                        | TWA: 1000 mg/m³ STEL: 1500 mg/m³ TWA: 1000 mg/m³ STEL: 1500 mg/m³ TWA: 1000 mg/m³ STEL: 1500 mg/m³  TWA: 1000 mg/m³ STEL: 1500 mg/m³ STEL: 1500 mg/m³ TWA: 1000 mg/m³ STEL: 1500 mg/m³ TWA: 1000 mg/m³ TWA: 1500 mg/m³ TWA: 1500 mg/m³ TWA: 1500 mg/m³   | TWA: 20 ppm<br>TWA: 113 mg/m³<br>-<br>-<br>S*<br>TWA: 30 ppm<br>TWA: 168 mg/m³                       | TWA: 5 ppm<br>TWA: 28 mg/m³<br>Ceiling / Peak: 20 ppr<br>Ceiling / Peak: 112<br>mg/m³<br>Skin |
|   | alpha-Pinene 80-56-8 gamma-Terpinene 99-85-4 d-Limonene 5989-27-5  Myrcene 123-35-3 Camphene 79-92-5 para-Cymene 99-87-6 Terpinolene  | -                        | -                        | TWA: 1000 mg/m³ STEL: 1500 mg/m³ STEL: 1500 mg/m³ STEL: 1500 mg/m³ STEL: 1500 mg/m³ TWA: 1000 mg/m³  | TWA: 20 ppm<br>TWA: 113 mg/m³<br>S*<br>TWA: 30 ppm<br>TWA: 168 mg/m³                                 | TWA: 5 ppm<br>TWA: 28 mg/m³<br>Ceiling / Peak: 20 ppr<br>Ceiling / Peak: 112<br>mg/m³<br>Skin |
|   | alpha-Pinene 80-56-8 gamma-Terpinene 99-85-4 d-Limonene 5989-27-5  Myrcene 123-35-3 Camphene 79-92-5 para-Cymene 99-87-6  Terpinolene 586-62-9  | -                        | •                        | TWA: 1000 mg/m³ STEL: 1500 mg/m³ TWA: 1500 mg/m³ STEL: 1500 mg/m³  | TWA: 20 ppm<br>TWA: 113 mg/m³  S* TWA: 30 ppm TWA: 168 mg/m³   | TWA: 5 ppm<br>TWA: 28 mg/m³<br>Ceiling / Peak: 20 ppr<br>Ceiling / Peak: 112<br>mg/m³<br>Skin |
|   | alpha-Pinene 80-56-8 gamma-Terpinene 99-85-4 d-Limonene 5989-27-5  Myrcene 123-35-3 Camphene 79-92-5 para-Cymene 99-87-6 Terpinolene 586-62-9 beta-Pinene 127-91-3                      | -                        | -                        | TWA: 1000 mg/m³ STEL: 1500 mg/m³ STEL: 1500 mg/m³ STEL: 1500 mg/m³ TWA: 1000 mg/m³ STEL: 1500 mg/m³ TWA: 1000 mg/m³ STEL: 1500 mg/m³                    | TWA: 20 ppm<br>TWA: 113 mg/m³  S* TWA: 30 ppm TWA: 168 mg/m³  TWA: 20 ppm TWA: 20 ppm TWA: 113 mg/m³ | TWA: 5 ppm<br>TWA: 28 mg/m³<br>Ceiling / Peak: 20 ppr<br>Ceiling / Peak: 112<br>mg/m³<br>Skin |
|   | alpha-Pinene 80-56-8 gamma-Terpinene 99-85-4 d-Limonene 5989-27-5  Myrcene 123-35-3 Camphene 79-92-5 para-Cymene 99-87-6  Terpinolene 586-62-9 beta-Pinene 127-91-3 Sablinene 3387-41-5 | -                        | -                        | TWA: 1000 mg/m³ STEL: 1500 mg/m³ | TWA: 20 ppm<br>TWA: 113 mg/m³  S* TWA: 30 ppm TWA: 168 mg/m³  -  -  TWA: 20 ppm TWA: 213 mg/m³       | TWA: 5 ppm<br>TWA: 28 mg/m²<br>Ceiling / Peak: 20 ppr<br>Ceiling / Peak: 112<br>mg/m²<br>Skin |
| 3.1<br>CONTROL PARAMETERS                               | alpha-Pinene 80-56-8 gamma-Terpinene 99-85-4 d-Limonene 5989-27-5  Myrcene 123-35-3 Camphene 79-92-5 para-Cymene 99-87-6  Terpinolene 586-62-9 beta-Pinene 127-91-3 Sabinene            | -                        | -                        | TWA: 1000 mg/m³ STEL: 1500 mg/m³ TWA: 1000 mg/m³ STEL: 1500 mg/m³ TWA: 1000 mg/m³ STEL: 1500 mg/m³ TWA: 1000 mg/m³ STEL: 1500 mg/m³       | TWA: 20 ppm<br>TWA: 113 mg/m³  S* TWA: 30 ppm TWA: 168 mg/m³  TWA: 20 ppm TWA: 20 ppm TWA: 113 mg/m³ | TWA: 5 ppm<br>TWA: 28 mg/m³<br>Ceiling / Peak: 20 ppr<br>Ceiling / Peak: 112<br>mg/m³<br>Skin |

| 3779-61-1                    |         |  | STEL: 1500 mg/m <sup>3</sup>                                |  |                              |
|------------------------------|---------|--|---|--|------------------------------|
| delta-3-Carene<br>13466-78-9 | -       | -  | TWA: 1000 mg/m <sup>3</sup><br>STEL: 1500 mg/m <sup>3</sup> | TWA: 20 ppm<br>TWA: 113 mg/m <sup>3</sup>  | -                            |
| Chemical Name                | Italy   | Portugal   | Netherlands   | Finland  | Denmark                      |
| alpha-Pinene<br>80-56-8      |         | TWA: 20 ppm  | -   | -  | -                            |
| d-Limonene<br>5989-27-5      | -       | -  | -   | TWA: 25 ppm<br>TWA: 140 mg/m <sup>3</sup><br>STEL: 50 ppm<br>STEL: 280 mg/m <sup>3</sup>           | -                            |
| para-Cymene<br>99-87-6       | -       | -  | -   | -  | TWA: 25 ppm<br>TWA: 135 mg/n |
| beta-Pinene<br>127-91-3      |         | TWA: 20 ppm  | -   | -  | -                            |
| delta-3-Carene<br>13466-78-9 |         | TWA: 20 ppm  | -   | -  | -                            |
| Chemical Name                | Austria | Switzerland  | Poland  | Norway   | Ireland                      |
| alpha-Pinene<br>80-56-8      |         | Skin<br>STEL: 40 ppm<br>STEL: 224 mg/m <sup>3</sup><br>TWA: 20 ppm<br>TWA: 112 mg/m <sup>3</sup> |   | TWA: 25 ppm<br>TWA: 140 mg/m <sup>3</sup><br>Skin<br>STEL: 37.5 ppm<br>STEL: 175 mg/m <sup>3</sup> |                              |
| d-Limonene<br>5989-27-5      | -       | STEL: 14 ppm<br>STEL: 80 mg/m <sup>3</sup><br>TWA: 7 ppm<br>TWA: 40 mg/m <sup>3</sup>            | -   | TWA: 25 ppm<br>TWA: 140 mg/m <sup>3</sup><br>STEL: 37.5 ppm<br>STEL: 175 mg/m <sup>3</sup>         | -                            |
| Myrcene<br>123-35-3          | -       | -  | -   | TWA: 40 ppm<br>TWA: 275 mg/m <sup>3</sup><br>STEL: 60 ppm<br>STEL: 343.75 mg/m <sup>3</sup>        | -                            |
| Camphene<br>79-92-5          | -       | Skin<br>STEL: 40 ppm<br>STEL: 224 mg/m <sup>3</sup><br>TWA: 20 ppm<br>TWA: 112 mg/m <sup>3</sup> | -   | -  | -                            |
| beta-Pinene<br>127-91-3      | -       | Skin<br>STEL: 40 ppm<br>STEL: 224 mg/m <sup>3</sup><br>TWA: 20 ppm<br>TWA: 112 mg/m <sup>3</sup> | -   | TWA: 25 ppm<br>TWA: 140 mg/m <sup>3</sup><br>STEL: 37.5 ppm<br>STEL: 175 mg/m <sup>3</sup>         | -                            |
| delta-3-Carene<br>13466-78-9 | -       | Skin<br>STEL: 40 ppm<br>STEL: 224 mg/m <sup>3</sup><br>TWA: 20 ppm<br>TWA: 112 mg/m <sup>3</sup> | -   | TWA: 25 ppm<br>TWA: 140 mg/m <sup>3</sup><br>STEL: 37.5 ppm<br>STEL: 175 mg/m <sup>3</sup>         | -                            |

EXPOSURE CONTROLS



| WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION. AVOID CONTACT WITH EYES. WEAR APPROVED SAFETY GOGGLES. (EN166)   |
|---|
| AVOID CONTACT WITH SKIN. WASH HANDS BEFORE BREAKS AND AT END OF WORK. WEAR PROTECTIVE GLOVES. DIN/EN 374. THE GLOVE MATERIAL HAS TO BE IMPERMEABLE AND RESISTANT TO THE PRODUCT/ THE SUBSTANCE/ THE PREPARATION.  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. |
| DO NOT INHALE GASES / FUMES / AEROSOLS. CERTIFIED RESPIRATORY PROTECTIVE DEVICE RECOMMENDED.  |
| GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS.  |
| NONE.   |
| WEAR PROTECTIVE CLOTHING TO REDUCE THE RISK OF SKIN AND EYE CONTACT.  |
| AVOID INHALATION OF THE PRODUCT. AVOID CONTACT WITH SKIN AND EYES. AVOID CONTACT WITH SKIN AND EYES. USE PERSONAL PROTECTION ACCORDING TO DIRECTIVE 89/686/EEC.   |
| WEAR SUITABLE PROTECTION TO AVOID CONTACT WITH SKIN AND EYES. DO NOT INHALE VAPOURS.  |
| Ensure area is well ventilated. Avoid vapour inhalation, Safety shower & Eye bath.  |
| AVOID DISCHARGING INTO DRAINAGE WATER.  |
|   |

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES



| 9.1 PHYSICAL & CHEMICAL PROPERTIES      |  |
|---|--|
| Appearance                              | LIMPID LIQUID  |
| COLOUR                                  | COLOURLESS – PALE YELLOW   |
| ODOUR                                   | CHARACTERISTIC   |
| FLASH POINT (°C)                        | 63°C.  |
| 9.2 OTHER INFORMATION                   | NO DATA.   |
| SECTION 10: STABILITY & REACTIVITY      |  |
| 10.1<br>REACTIVITY                      | NOT APPLICABLE.  |
| 10.2 CHEMICAL STABILITY                 | Stable under suggested storage conditions (<15°C).  Stable under normal conditions.  |
| 10.3 POSSIBILITY OF HAZARDOUS REACTIONS | NONE UNDER NORMAL PROCESSING.  |
| 10.4 CONDITIONS TO AVOID                | Storage at high temperatures. Do not store above 15°C. Avoid heat, flames and other sources of ignition.   |
| 10.5 INCOMPATIBLE MATERIALS             | AVOID CONCENTRATED ACIDS, ALKALIS & OXIDISING AGENTS.  |
| 10.6 HAZARDOUS DECOMPOSITION PRODUCTS   | This product does not decompose under normal conditions. Under fire conditions the product will produce a mixture of irritating fumes & smoke & carbon monoxide. |

| 11.1                            |          |
|---------------------------------|----------|
| TOXICOLOGICAL EFFECTS           |          |
| Acute Toxicity                  | NO DATA. |
| Skin irritation                 | NO DATA  |
| EYE DAMAGE OR IRRITATION        | NO DATA  |
| RESPIRATORY OR SKIN SENSITIVITY | NO DATA. |
| GERM CELL MUTAGENICITY          | NO DATA. |
| CARCINOGENICITY                 | NO DATA. |
| REPRODUCTIVE TOXICITY           | NO DATA. |
| STOT – SINGLE EXPOSURE          | NO DATA. |
| STOT - REPEATED EXPOSURE        | NO DATA. |
| ASPIRATION HAZARD               | NO DATA. |
| OTHER INFORMATION               | NO DATA. |
|                                 |          |

| 12.1<br>Toxicity                      | Harmful to aquatic life with long lasting effects. The product must not be allowed to run into drains or waterways.  Immobilisation Test)                    |
|---------------------------------------|--|
| 12.2 PERSISTENCE & DEGRADABILITY      | NO DATA.   |
| 12.3 BIO- ACCUMULATIVE POTENTIAL      | NO DATA.   |
| 12.4<br>MOBILITY IN SOIL              | NO DATA  |
| 12.5 RESULTS OF PBT & VPVB ASSESSMENT | NO DATA.   |
| 12.6 OTHER ADVERSE EFFECTS            | NO DATA.   |
|                                       |  |
| 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. |

| SECTION 14: TRANSPORT INFORMATION |  |
|-----------------------------------|--|
| 14.1 Transport Information        |  |
| UN NUMBER                         | ROAD: 3082<br>SEA: 3082<br>AIR: 3082   |
| 14.2<br>UN SHIPPING NAME          | ENVIRONMENTALLY HAZARD SUBSTANCE LIQUID, N.O.S   |
| 14.3 TRANSPORT HAZARD CLASS(ES)   | ADR/RID/ADN CLASS: 9 MISCELLANEOUS DANGEROUS SUBSTANCES AND ARTICLES. IMDG CLASS: 9 ICAO CLASS: 9 TRANSPORT LABEL: |
| 14.4 PACKING GROUP                | ADR/RID/ADN PACKING GROUP: III IMDG PACKING GROUP: III ICAO PACKING GROUP: III                                     |
| 14.5<br>ENVIROMENTAL HAZARDS      | ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT.  |
| 14.6 SPECIAL PRECAUTIONS FOR USER | EMS F-A-S-F EMERGENCY ACTION CODE 3Z HAZARD NO. (ADR) 90 ENVIRONMENTALLY HAZARDOUS SUBSTANCE;                      |



|  | MISCELLANEOUS DANGEROUS SUBSTANCES.  |
|--|--|
|  | TUNNEL RESTRICTION CODE (E)  |
| 14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 & 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™ DECEMBER 2006. CONCERNING THE REGISTRATION, EVALUATION, AUTHORIZATION & RESTRICTION OF CHEMICALS (REACH), ESTABLISHING A EUROPEAN CHEMICALS AGENCY, AMENDING DIRECTIVE 1999/45/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  | AN ASSESSMENT HAS NOT BEEN EXECUTED AS THIS IS NOT A HAZARDOUS MATERIAL ACCORDING TO ARTICLE 31 OF REACH 1907/2006.  |

| SECTION 16: OTHER INFORMATION                   |   |
|---|---|
|   | H226 - FLAMMABLE LIQUID AND VAPOR                   |
|   | H227 - COMBUSTIBLE LIQUID                           |
|   | H228 - FLAMMABLE SOLID                              |
|   | H302 - HARMFUL IF SWALLOWED                         |
|   | H303 - MAY BE HARMFUL IF SWALLOWED                  |
| HAZARD AND/ OR PRECAUTIONARY STATEMENTS IN FULL | H304 - MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS |
|   | H315 - CAUSES SKIN IRRITATION                       |
|   | H316 - CAUSES MILD SKIN IRRITATION                  |
|   | H317 - May cause an allergic skin reaction          |
|   | H318 - CAUSES SERIOUS EYE DAMAGE                    |
|   | H319 - Causes serious eye irritation                |



|   | H320 - Causes eye irritation  |
|---|---|
|   | H332 - Harmful if inhaled   |
|   | H361 - Suspected of damaging fertility or the unborn child                        |
|   | H371 - MAY CAUSE DAMAGE TO ORGANS   |
|   | H400 - VERY TOXIC TO AQUATIC LIFE   |
|   | H401 - TOXIC TO AQUATIC LIFE  |
|   | H402 - HARMFUL 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                          |
|   |   |
| TRAINING INSTRUCTIONS: REFER TO POSSIBLE HAZARD BEFORE USE OF THIS PRODUCT. |   |
|   |   |
|   |   |
| ABBREVIATIONS & ACRONYMS:   |   |
| MSDS  | MATERIAL SAFETY DATA SHEET.   |
| INCI  | INTERNATIONAL NOMENCLATURE OF COSMETIC INGREDIENTS.                               |
| CAS   | CHEMICAL ABSTRACT SERVICE.  |
| IMDG  | INTERNATIONAL MARITIME CODE FOR DANGEROUS GOODS.                                  |
| ADR   | Accord European sur le transport des merchandises Dangereuses par Route (European |
| ,   | AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD).      |
| RID   | International Carriage of Dangerous Goods by Rail.                                |
| ICAO  | International Civil Aviation Organization.  |
| ADN   | International Carriage of Dangerous Goods by Inland Waterways.                    |
| GHS   | GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION & LABELLING OF CHEMICALS.            |
| Trem Card   | Transport Emergency Card.   |
| STOT  | Specific Target Organ Toxicity.   |
|   | 5. 12 1 2 2   |

| DOCUMENTATION REVISION |                    |
|------------------------|--------------------|
| DATE                   | CHANGE DESCRIPTION |
| OCTOBER 2020           | Data Launch        |
|                        |                    |



## **SPECIFICATION SHEET**

PRODUCT NAME: CORIANDER SEED, ESSENTIAL OIL

PRODUCT INCI: CORIANDRUM SATIVUM SEED OIL

PRODUCT CODE: OECORI CAS NUMBER: 84775-50-8 EINECS NUMBER: 283-880-0

SHELF LIFE / BEST BEFORE: 24 MONTHS

| ANALYTICAL DETAILS      | RANGE                     |
|-------------------------|---------------------------|
| Appearance              | LIQUID                    |
| Colour                  | COLOURLESS - PALE YELLOW  |
| Odour                   | CHARACTERISTIC, CORIANDER |
| SPECIFIC GRAVITY @ 20°C | 0.860 - 0.880             |
| REFRACTIVE INDEX @ 20°C | 1.460 – 1.475             |

#### **STORAGE CONDITIONS**

STORE IN A COOL DRY PLACE AWAY FROM HEAT & SUNLIGHT

**DOCUMENTATION REVIEW DATE:** 

OCTOBER 2020



### **Vegetarian & Vegan Suitability Statement**

PRODUCT NAME: Coriander Essential Oil

MADAR Corporation Limited can confirm that the above listed product has not been tested in animals and does not contain dairy or any other animal product, by product or derivative and is therefore suitable for vegetarian and vegan use.

29/07/2022