

<u>CERTIFICATE OF ANALYSIS</u> <u>GARLIC OIL</u>

Batch No: 4436804 Best Before End: June 2024

Description: A pale yellow to reddish orange clear mobile liquid.

Odour: Pungent, characteristic of Garlic

| TEST | SPECIFICATION | ANALYSIS |
|---------------------------|---------------|----------|
| Specific Gravity @ 15.5°C | 1.050 - 1.100 | 1.095 |
| Refractive Index @ 20°C | 1.550 – 1.580 | 1.576 |
| | | |



| Product N | ame | Gai | Garlic Essential Oil | | | |
|-----------|------------|-------------------------|----------------------|--|----------|---|
| INCI Name | | Allium Sativum Bulb Oil | | | | |
| Date | 08/03/2021 | | Product Code | | Revision | 2 |

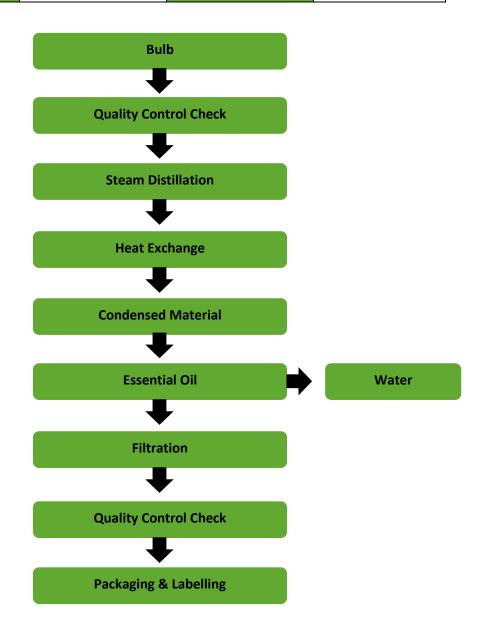
| Material | Cas Number | Cosmetic Allergens |
|-------------------------------|------------|--------------------|
| | | Inclusion (%) |
| ALPHA-ISOMETHYLIONONE | 127-51-5 | - |
| AMYL CINNAMAL | 122-40-7 | - |
| AMYL CINNAMYL ALCOHOL | 101-85-9 | - |
| ANISE ALCOHOL | 105-13-5 | - |
| BENZYL ALCOHOL | 100-51-6 | - |
| BENZYL BENZOATE | 120-51-4 | - |
| BENZYL CINNAMATE | 103-41-3 | - |
| BENZYL SALICYLATE | 118-58-1 | - |
| BUTYLPHENYLMETHYLPROPIONAL | 80-54-6 | - |
| CINNAMAL | 104-55-2 | - |
| CINNAMYL ALCOHOL | 104-54-1 | - |
| CITRAL | 5392-40-5 | - |
| CITRONELLOL | 106-22-9 | - |
| COUMARIN | 91-64-5 | - |
| EUGENOL | 97-53-0 | - |
| EVERNIA FURFURACEA EXTRACT | 90028-67-4 | - |
| EVERNIA PRUNASTRI EXTRACT | 90028-68-5 | - |
| FARNESOL | 4602-84-0 | - |
| GERANIOL | 106-24-1 | - |
| HEXYL CINNAMAL | 101-86-0 | - |
| HYDROXYCITRONELLAL | 107-75-5 | - |
| HYDROXYISOHEXYL 3-CYCLOHEXENE | 31906-04-4 | - |
| ISO EUGENOL | 97-54-1 | - |
| LIMONENE | 5989-27-5 | - |
| LINALOOL | 78-70-6 | - |
| METHYL 2-OCTYNOATE | 111-12-6 | - |

| Date | 08/03/2021 |
|------|------------|
| | |

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

MYSTIC M@MENTS

| Product Name | Garlic Essential Oil | | |
|--------------|----------------------|--|--|
| Date | 08/03/2021 | | |





| Document Date: | January 2019 |
|----------------|--------------|
| | |

STATEMENT

We hereby certify that the Garlic Essential Oil we sell is free of genetically modified materials and components. No ingredients, additives or processing aids of GM origin are used in the processing and purifying of the oil.



| Product Name | Garlic Essential Oil | | |
|--------------|--------------------------|------|------------|
| INCI Name | Allium Sativium Bulb Oil | | |
| Product Code | OEGARL | | |
| Revision No | 1 | Date | 08/03/2021 |

We certify that the above compound is in compliance with the Standards of the International Fragrance Association (IFRA 49TH Amendment published June 25); provided it is used in the following class(es) at a maximum concentration level of the above.

Flavour use consideration - Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavouring ingredient as defined by the IOFI Code of Practice (www.iofi.org). For more details see chapter 1 of the Guidance for the use of IFRA Standards.

| IFRA class(es) [see annex for details] | Max level of use (%) |
|--|----------------------|
| Category 1 | Not Restricted |
| Category 2 | Not Restricted |
| Category 3 | Not Restricted |
| Category 4 | Not Restricted |
| Category 5A | Not Restricted |
| Category 5B | Not Restricted |
| Category 5C | Not Restricted |
| Category 5D | Not Restricted |
| Category 6 | Not Restricted |
| Category 7A | Not Restricted |
| Category 7B | Not Restricted |
| Category 8 | Not Restricted |
| Category 9 | Not Restricted |
| Category 10A | Not Restricted |
| Category 10B | Not Restricted |
| Category 11A | Not Restricted |
| Category 11B | Not Restricted |
| Category 12 | Not Restricted |

For other kinds of application or use at higher concentration levels, a new evaluation may be needed.

The IFRA Standards regarding use restrictions are based on safety assessments by the Panel of Experts of the RESEARCH INSTITUTE FOR FRAGRANCE MATERIALS (RIFM) and are enforced by the IFRA Scientific Committee.

Evaluation of individual Fragrance ingredients is made according to the safety standards contained in the relevant section of the IFRA Code of Practice.

This certificate serves only as a guide to the maximum level of use. It is the ultimate responsibility of the customer to ensure safe formulating principles are utilised and the safety of the final product (containing this fragrance), by further testing if need be.

Note 1: It is recommended that any material used to impart perfume or flavour in products intended for human ingestion should consist of ingredients that are in compliance with appropriate regulations for foods and food flavourings in the countries of planned distribution.

Note 2: Trials must be performed to satisfy suitability for specified application.

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

ANNEX: Definition of IFRA Classes

| Finished product types | IFRA Category | Flavour Use | Phototoxicity |
|--|------------------|----------------|--------------------------------------|
| Lip products of all types (solid and liquid lipsticks, balms, clear and coloured, etc.) Children's Toys | 1 | Yes | Applicable (Leave-on Products) |
| 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-up, under-arm, deo-cologne, etc.). Body sprays (including mist). | 2 | No | Applicable (Leave- on Products) |
| Eye products of all types (eye-shadow, mascara, eyeliner, eye make-up, eye masks, eye pillows, etc.) including eye care and moisturiser. Face make-up and foundation. Make-up remover for face and eyes. Nose pore strips. Wipes refreshing tissues for face, neck, hands, body. Body and face paint (for children and adults). Facial masks for face and around the eyes. | 3 | No | Applicable (Leave- on Products) |
| Hydroalcoholic and non-hydroalcoholic 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 hydroalcoholic products. | 4 | No | Applicable (Leave- on Products) |
| Body Creams, oils, lotions of all types. Foot care products (creams and powders). Insect repellent (intended to be applied to skin). All powders and talc (excluding baby powders and talc). | 5A | No | Applicable (Leave- on Products) |
| Facial toner. Facial Moisturisers and creams. | 5B | No | Applicable (Leave- on Products) |
| (women's facial creams) Hand cream. Nail care products including cuticle creams, etc. Hand sanitisers. | 5C | No | Applicable (Leave- on Products) |
| Baby cream/lotion, baby oil, baby powders and talc. | 5D | No | Applicable (Leave- on Products) |
| Toothpaste. Mouthwash, including breath sprays. Toothpowder, strips, mouthwash tablets. | 6 | Yes | Applicable (Leave- on Products) |
| Hair permanent or other hair chemical treatments (rinse-off) (e.g. relaxers), including rinse off hair dyes | 7A | No | Applicable (Leave- on Products) |
| Hair sprays of all types (pumps, aerosol sprays, etc). Hair styling aids non-spray (mousse, gels, leave-on conditioners). Hair permanent or other hair chemical treatments (leave-on) (e.g. relaxers), including leave-on hair dyes. Shampoo – Dy (waterless shampoo). Hair deodoriser. | 7B | No | Applicable (Leave- on Products) |
| Intimate wipes. Tampons. Baby Wipes. Toilet paper (wet). | 8 | No | Applicable (Leave- on Products) |
| Bar soap. Shampoo of all types. Cleanser for face (rinse-off). Conditioner (rinse-off) Liquid soap. Body washes and shower gels of all types. Baby | 9 | No | Applicable (Rinse-off Products) |

| wash, bath, shampoo. Bath gel foams, mousses, salts, oils, and other products added to bath water. Foot care products (feet are placed in bath for soaking). Shaving creams of all types (stick, gel, foams, etc.). All depilatories (including facial) and waxes for mechanical hair removal. Shampoo for pets. | | | |
|---|-----|----|--|
| Hand wash laundry detergent (including concentrates). Laundry pretreatment 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 sheets. Household cleaning products, other types including fabric cleaners, soft surface cleaners, carpet cleaners, furniture polishes spray and wipe, leather cleaning wipes, stain removers, fabric enhancing sprays, treatment products for textiles (e.g. starch sprays, fabric treatment with fragrances after wash, deodorisers for textiles or fabrics). Floor wax. Fragranced oil for lamp ring, reed diffusers, pot-purri, liquid refills for air fresheners (non-cartridge systems), etc. Ironing water (odourised distilled water). | 10A | No | Applicable (Rinse- off Products) |
| Animal sprays – sprays applied to animals of all types. Air fresheners sprays, manual, including aerosol and pump. Aerosol spray insecticides. | 10B | No | Applicable (Rinse- off Products) |
| Feminine hygiene conventional pads, liners, interlabial pads. Diapers (baby and adult). Adult incontinence pant, pad. Toilet paper (dry). | 11A | No | Not Apllicable (leave-on products without UV exposure) |
| Tights with moisturisers. Scented cocks, gloves. Facial tissues (dry tissues). Napkins. Paper Towels. Wheat bags. Facial masks (paper/protective) e.g. surgical masks used as medical device. Fertilisers, solid (pellet or powder). | 11B | No | Applicable (Leave- on Products) |
| 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 metred doses (range 0.05 – 0.5 ml/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. Deodorisers/maskers not intended for skin contact (e.g. fabric drying machine deodorisers and carpet powders). Fuels. Insecticides (e.g. mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays. Joss sticks or incense sticks. Dishwasher detergent and deodorisers – for machine wash. Olfactive board games. Paints. Plastic articles (excluding toys). Scratch and sniff. Scent pack. Scent delivery system (using dry air technology). Show polishes. Rim blocks (Toile). | 12 | No | Not Apllicable (Non-skin contact products) |

The table was prepared with the intention to cover the vast majority of the products; however, it may not cover some specific applications. In this case other classes may be attributed based on a specific risk assessment.



01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

| 1.1 Product Identifier | • | | | | |
|------------------------|-----------|---------------------------------------|---|------------|---|
| Product Name | | Garlic Oil | Garlic Oil | | |
| Biological Definition | | Allium Sativum | Allium Sativum Bulb Oil is the oil steam distilled from the bulb of the | | |
| | | Garlic, Allium sativum L., Liliaceae. | | | |
| INCI Name | | Allium Sativum Bulb Oil | | | |
| Synonyms & Trade Names | | - | | | |
| CAS-No 8 | 3000-78-0 | EC No. | - | EINECS No. | - |

1.2 Relative identified uses of the substance or mixture and uses advised against

Suitable for use in flavours and professional applications only.

1.3 Details of the supplier of the safety data sheet

Madar Corporation Limited 19 - 20 Sandleheath Industrial Estate Fordingbridge SP6 1PA

1.4 Emergency Tel. No.

+ 44 (0) 1425 655 555

02. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

The full text for all hazard statements is displayed in section 16.

Classification (EC 1272/2008)

Physical hazards:

- Flam. Liq. 3 – H226

Health hazards:

- Acute Tox. 4 H302
- Skin Irrit. 2 H315
- Skin Sens 1B H317
- Eye Dam 2 H319

2.2 Label Elements

Label in accordance with (EC) No 1272/2008







| Signal Word | Warning. |
|-------------|-----------------------|
| Contains | - Diallyl disulphide |
| | - Diallyl trisulphide |

Hazard Statements

H226 - Flammable liquid and vapour.

H302 - Harmful if swallowed.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye damage.

Precautionary Statements

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P301/P310 - IF SWALLOWED - Immediately call a POISON CENTER or doctor/physician

P331 - Do NOT induce vomiting

P302/P352 - IF ON SKIN - Wash with plenty of soap and water

P305/P351/P338 - IF IN EYES - Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337/P313 - If eye irritation persists: Get medical advice/attention

Supplementary Precautionary Statements

P264 - Wash hands and exposed skin thoroughly after handling.

2.3 Other Hazards

| PBT or vPvB according to Annex XIII | No additional data |
|-------------------------------------|---|
| Adverse physio-chemical properties | No additional data |
| Adverse effects on human health | H313 - May be harmful in contact with skin. |

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

≤ 30% Diallyl Disulphide

CAS: 2179-57-9

Classification (EC 1272/2008)

- Flam. Liq. 3 H226
- Acute Tox. 3 H301
- Skin Irrit. 2 H315
- Skin Sens. 1 H317
- Eye Irrit. 2 H319

≤ 15% Diallyl Trisulphide

CAS: 2050-87-5

Classification (EC 1272/2008)

- Acute Tox. 4 - H302

≤ 10% Diallyl Sulphide

CAS: 592-88-1

Classification (EC 1272/2008)

- Flam. Liq. 3 - H226



04. FIRST AID MEASURES

| 4.1 Description of first aid measures | | |
|---|---|--|
| Inhalation | Remove to fresh air. Remain at rest in a position which is comfortable for breathing. | |
| | discomfort occurs/continues, seek medical attention. | |
| Ingestion | Do NOT induce vomiting. Ingestion may cause nausea and vomiting. Immediately rinse mouth | |
| | and provide fresh air. Seek medical attention. | |
| Skin Contact | Remove contaminated clothing immediately and wash before reuse. Wash skin with soap and | |
| | water. Seek medical attention. | |
| Eye Contact | Eye Contact Immediately rinse eyes with plenty of clean water for a minimum of fifteen minutes. Rem | |
| | any contact lenses and open eyes wide apart and continue rinsing. Seek medical attention. | |
| 4.2 Most important symptoms and effects, both acute and delayed | | |
| No additio | No additional data | |
| 4.3 Indication | 1.3 Indication of any immediate medical attention and special treatment needed | |
| Treat symp | Treat symptomatically. | |

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Carbon Dioxide, Dry Chemical, Foam.

Do NOT use water.

5.2 Special hazards arising from the product

Flammable liquid. Keep product and empty containers away from heat, sparks and open flame. A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke. Containers close to fire should be removed or cooled with water. Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO₂), Carbon monoxide (CO), other toxic gases.

5.3 Advice for firefighters

Avoid inhalation of generated fumes or vapours. Wear self-contained respiratory equipment and appropriate protective clothing at all times.

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avid heat, sparks and open flame. Wear protective clothing as described in Section 8 of this safety data sheet. Handle the product using protective gloves resistant to the chemicals exposed. Avoid contact with skin and inhalation of its vapours. Maintain adequate ventilation in the working area after spilling.

6.2 Environmental Precautions

Do not discharge into drains, water courses or onto the ground.

6.3 Methods and material for containment and cleaning up.



Absorb with liquid binding material e.g., sand, diatomaceous earth or vermiculite. Collect in closed and suitable containers for disposal in accordance with local, state or national legislation. Prevent any material from entering drains or waterways. Wash spill site after removal with a detergent.

6.4 Reference to other sections

Section 13

07. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Wear personal protective equipment. Do not breathe vapours or spray mist. Use only in area provided with adequate ventilation. Keep away from heat, sparks and open flame. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take necessary action to avoid static discharge as this might cause ignition of vapours.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, dark, well-ventilated area. Protect form heat, freezing and light including sunlight. Keep all containers tightly sealed when not in use.

7.3 Specific end use(s)

No additional data

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

No additional data

8.2 Exposure controls

Protective Equipment







| Process Conditions | Provide eyewash station. Provide safety showers. | |
|-----------------------|---|--|
| Engineering Measures | Provide adequate ventilation or respiratory protection. | |
| Respiratory Equipment | Usually not required in a well-ventilated area. In confined or poorly ventilated area approved respiratory masks may be required. | |
| Hand Protection | Wear suitable protective gloves that are resistant to chemical agents in accordance with standard EN374. | |
| Eye Protection | Avoid contact with eyes. Wear safety goggles in accordance with standard EN166. | |
| Other Protection | Wear appropriate clothing to prevent any possibility of skin contact. | |
| Hygiene Measures | Good hygiene practices are always recommended, especially when handling oils, | |
| | chemicals or any other similar types of material. | |
| Personal Protection | Use of chemical resistant clothing is recommended when handling. | |



| Skin Protection | Wear appropriate protective clothing to prevent skin contact. Work clothing worn by |
|------------------------|---|
| | personnel should be laundered regularly. After contact with the product, all parts of |
| | the body that have been exposed must be washed thoroughly. |
| Environmental Exposure | Avoid discharging into drainage water. Only eliminate by authorised companies. |
| Controls | |

09. PHYSICAL AND CHEMICAL PROPERTIES

| 9.1 Information on basic physical and chemical properties | | |
|---|-------------------------|--|
| Appearance | Liquid | |
| Colour | Yellow – Reddish Orange | |
| Odour | Characteristic; Garlic | |
| Relative Density | ~1.075 @ 20°C | |
| Flash Point (°C) | 30.0 | |
| Refractive Index | ~1.565 @ 20°C | |
| Melting Point (°C) | No additional data | |
| Boiling Point (°C) | No additional data | |
| Vapour Pressure | No additional data | |
| Solubility in Water @20°C | Insoluble in water. | |
| Auto-ignition | No additional data | |
| temperature (°C) | | |
| 9.2 Other information | | |
| No additional data | | |

10. STABILITY AND REACTIVITY

10.1 Reactivity

Presents no significant reactivity hazards. Stable under normal temperature conditions and recommended use.

10.2 Chemical stability

Stable under the recommended handling and storage conditions in section 7.

Explosion data

Sensitivity to Mechanical Impact: None.

Sensitivity to Static Discharge: None.

10.3 Possible hazardous reactions

Not expected under normal conditions of use.

10.4 Conditions to Avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Prevent storing the product in open containers for long periods so as to prevent product deterioration.

10.5 Incompatible materials

Avoid contact with strong acids, alkalis or oxidising agents.



10.6 Hazardous Decomposition Products

Not expected under normal temperature conditions and recommended use. Thermal decomposition may release/form oxides of carbon (carbon monoxide, carbon dioxide) and other toxic gases.

11. TOXOLOGICAL INFORMATION

| 11.1 Information on toxicological effects | | |
|---|---|--|
| Acute Toxicity | Harmful if swallowed. (calculation method) | |
| | ATE mix (oral) 303 making the classification Oral Cat: Acute Tox. 4 | |
| | Oral LD50 Dermal LD50 | |
| | DIALLYL DISULPHIDE 260 mg/kg (Rat) = 3600 mg/kg (Rabbit) | |
| | = 1826 mg/kg (Rat) | |
| | DIALLYL SULPHIDE 2980 mg/kg (Rat) > 5 g/kg (Rabbit) | |
| Skin corrosion / irritation | Causes skin irritation. | |
| Serious eye damage / irritation | Causes serious eye irritation. | |
| Respiratory or skin sensitisation | May cause an allergic skin reaction. | |
| Germ Cell Mutagenicity | Not classified. | |
| Carcinogenicity | Not classified. | |
| Reproductive toxicity | Not classified. | |
| STOT-single exposure | Not classified. | |
| STOT-repeated exposure | Not classified. | |
| Aspiration hazard | Not classified. | |
| Photo-toxicity | No additional data | |
| Other Information | No additional data | |

12. ECOLOGICAL INFORMATION

| 12.1 | Toxicity |
|------|--|
| | Not classified. |
| 12.2 | Persistence & degradability |
| | No additional data |
| 12.3 | Bioaccumulation Potential |
| | No additional data |
| 12.4 | Mobility in soil |
| | Prevent contamination of soil, ground and surface water. |
| 12.5 | Results of PBT and vPvB Assessment |
| | No additional data |
| 12.6 | Other adverse effects |
| | No additional data |



13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not allow entry into drains or waterways. Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste. Do not dispose of waste into the environment. Empty container completely. Keep label(s) on container. Dispose of via a certified disposal contractor.

14. TRANSPORT INFORMATION

| 14.1 | UN number | |
|------|-------------|------|
| | UN No. Road | 1197 |
| | UN No. SEA | 1197 |
| | UN No. AIR | 1197 |

14.2 UN proper shipping name

EXTRACTS, FLAVOURING, LIQUID

14.3 Transport hazard class(es)

ADR/RID

ADR/RID-Class 3

ADR Classification Code - F1

Special provisions – 601

Limited quantities - 5L

Expected quantities - E1

Emergency Action Code - 3Y

Tunnel Restriction Code – D/E

IMDG

IMDG - Class 3

Special Provisions - 601

Limited quantities - 5L

Expected quantities – E1

IMDG EMS - F-E, S-D

Stowage and Handling - Category A

ICAO/IATA

ICAO/IATA- Class 3

IATA proper shipping name - EXTRACTS, AROMATIC, LIQUID

Expected quantities - E1

Transport Labels





14.4 Packing group

ADR/RID Packing group III
IMDG Packing group III
ICAO Packing group III

14.5 Environmental hazards

Not classed as environmentally Hazardous Substance/Marine Pollutant.

14.6 Special precautions for user

See sections 6 - 8.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

Not defined.

15. REGULATORY INFORMATION

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

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Workplace Exposure Limits EH40. CHIP for everyone HSG (108). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

15.2 Chemical safety assessment

No additional data

16. OTHER INFORMATION

| Hazard Statements in Full | H226 - Flammable liquid and vapour. |
|-----------------------------|--|
| Trazara Statements III i an | H301 - Toxic if swallowed |
| | |
| | H302 - Harmful if swallowed. |
| | H315 - Causes skin irritation |
| | H317 - May cause an allergic skin reaction |
| | H319 - Causes serious eye irritation |
| Revision Date | 08/03/2021 |
| | |
| Rev No | 5 |
| | |



DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.



| Product Name | Garlic Essential Oil | |
|-----------------|--|--|
| Date 08/03/2021 | Rev 5 | |
| | | |
| Description | Allium Sativum Bulb Oil, steam distilled oil from garlic bulb. | |
| Appearance | Liquid, Yellow – Reddish Orange | |
| Odour | Characteristic | |
| Origin | China/India | |
| INCI Name | Allium Sativum Bulb Oil | |
| CAS Number | 8000-78-0 EC Number - | |

TEST SPECIFICATION

| Analytical Test | Specification Range |
|--------------------------------|---------------------|
| Specific Gravity @ 20°C (g/ml) | 1.050 - 1.100 |
| Refractive Index @ 20°C | 1.550 – 1.580 |

STORAGE

Store in a cool, dry, well-ventilated place. Keep away from heat and sunlight.

STABILITY

If stored for twenty-four months, check quality of product before use.

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

Please note as this is a wholly natural material some parameters, in particular, appearance, colour and odour, may change due to natural variation and climate change. This in no way affects the quality and efficacy of the product.



Vegetarian & Vegan Suitability Statement

PRODUCT NAME: Garlic Essential Oil

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