

CERTIFICATE OF ANALYSIS

Product Name CELERY SEED OIL Product Code EO - 1016

Lot Number 4538502 Botanical Name Apium Graveolend L

Best Before April 2027 Production Method Steam distillation

Country of Origin India

| Parameter | Specification | Result | Method |
|-----------|---------------|--------|--------|
|-----------|---------------|--------|--------|

Physical and Analytical Parameters

| Appearance | Free flowing clear liquid | Complies | Visual |
|--------------------------|--------------------------------------|--------------------|--------------|
| Colour | Pale yellow to Light | - | |
| Coloui | Brown | Complies | Visual |
| Odama | Characteristic pleasant | | |
| Odour _ | aroma of indian celery | Complies | Organoleptic |
| Specific gravity at 25°C | 0.870 to 0.910 | 0.8705 | FCC |
| Refractive Index at 20°C | 1.4720 to 1.490 | 1.4775 | FCC |
| Optical rotation | +48 ⁰ to +78 ⁰ | +74.7 ⁰ | FCC |

Heavy Metal Analysis

| Total Heavy Metals | < 10 ppm | Complies | ICP - MS |
|--------------------|-----------|----------|----------|
| Arsenic | < 1 ppm | Complies | ICP – MS |
| Lead | < 3 ppm | Complies | ICP – MS |
| Mercury | < 0.1 ppm | Complies | ICP – MS |
| Cadmium | < 1 ppm | Complies | ICP - MS |

Warning: The product is irritant, avoid contact with skin and eyes.

Storage: Do not store in close proximity to heat, sparks, open flames, strong acids, and strong bases. To minimise product degradation, avoid prolonged exposure of the material to air. Keep container tightly closed when not in use. Mix well before use.

Shelf life: Not more than 3 Years, when stored as recommended above.

| COSMETIC ALLERGENS DECLARATION | | | |
|--------------------------------|--|--|--|
| Product Name CELERY SEED OIL | | | |
| EO-152102 | | | |

We hereby certify that the product mentioned above, manufactured and supplied by Greenleaf Extractions Pvt Ltd, Cochin, India, Conforms to the Cosmetics Directive EC No.1223/2009, to the best of our Knowledge.

| MAJOR ALLERGENS CHECKLIST | | | | |
|---|------------|--------------|--|--|
| COMPONENT | CAS NUMBER | PRESENCE (%) | | |
| 2-METHYL-3-(4-(1,1-DIMETHYL ETHYL) PHENYL)PROPANAL (LILIAL) | 80-54-6 | Nil | | |
| ALPHA ISO-METHYL IONONE (METHYL IONONE GAMMA) | 127-51-5 | Nil | | |
| ACETYL CEDRENE | 32388-55-9 | Nil | | |
| AMYL CINNAMYL ALCOHOL | 101-85-9 | Nil | | |
| AMYL CINNAMALDEHYDE | 122-40-7 | Nil | | |
| AMYL SALICYLATE | 2050-08-0 | Nil | | |
| ANISYL ALCOHOL | 105-13-5 | Nil | | |
| ANETHOLE | 4180-23-8 | Nil | | |
| BENZALDEHYDE | 100-52-7 | Nil | | |
| BENZYL ALCOHOL | 100-51-6 | Nil | | |
| BENZYL BENZOATE | 120-51-4 | Nil | | |
| BENZYL CINNAMATE | 103-41-3 | Nil | | |
| BENZYL SALICYLATE | 118-58-1 | Nil | | |
| BUTYL PHENYL METHYLPROPIONAL | 80-54-6 | Nil | | |
| CAMPHOR | 21368-68-3 | Nil | | |
| CANANGA ODORATA OIL/EXTRACT | 8006-81-3 | Nil | | |
| CARVONE | 2244-16-8 | Nil | | |
| BETA-CARYOPHYLLENE | 87-44-5 | Nil | | |
| CEDRUS ATLANTICA OIL/EXTRACT | 8023-85-6 | Nil | | |
| CINNAMOMUM CASSIA LKEAF OIL | 8007-80-5 | Nil | | |
| CINNAMOMUM ZEYLANICUM BARK OIL | 8015-91-6 | Nil | | |
| CITRUS AURANTIUM FLOWER OIL | 8028-48-6 | Nil | | |
| CITRUS AURANTICUM PEEL OIL | 8008-57-9 | Nil | | |
| CITRUS AURANTICUM BERGAMIA PEEL OIL | 85049-52-1 | Nil | | |
| CITRUS LIMON PEEL OIL | 8008-56-8 | Nil | | |
| CINNAMYL ACETATE | 103-548 | Nil | | |
| CINNAMIC ALCOHOL | 104-54-1 | Nil | | |
| CINNAMIC ALDEHYDE | 104-55-2 | Nil | | |
| CITRAL | 5392-40-5 | Nil | | |
| CITRONELLOL | 106-22-9 | Nil | | |

| COUMARIN | 91-64-5 | Nil |
|--|------------|-------|
| DIBROMO BENZENE | 106-37-6 | Nil |
| DIMETHYL PHENYLETHYL ACETATE | 151-05-3 | Nil |
| EUGENOL | 97-53-0 | Nil |
| EUGENYL ACETATE | 93-28-7 | Nil |
| EVERNIA FURFURACEA EXTRACT | 90028-67-4 | Nil |
| EUCALYPTUS GLOBULUS OIL | 8000-48-4 | Nil |
| EVERNIA PRUNASTRI EXTRACT | 90028-68-5 | Nil |
| EUCALYPTUS CARYOPHYLLUS OIL | 8015-97-2 | Nil |
| ESTRAGOLE | 140-67-0 | Nil |
| FARNESOL | 4602-84-0 | Nil |
| GERANIOL | 106-24-1 | Nil |
| GERANYL ACETATE | 105-87-3 | Nil |
| HEXYLCINNAMIC ALDEHYDE | 101-86-0 | Nil |
| HYDROXYCITRONELLAL | 107-75-5 | Nil |
| HYDROXYMETHYLPENTTYLCYCLOHEXENE CARBOXALDEHYDE (LIRAL) | 31906-04-4 | Nil |
| ALPHA -ISOMETHYL IONONE | 127-51-5 | Nil |
| ISOEUGENOL | 97-54-1 | Nil |
| ISOEUGENYL ACETATE | 93-29-8 | Nil |
| JASMINE OIL/EXTRACT | 8024-43-9 | Nil |
| JUNIPERUS VIRGENIANA OIL | 8000-27-9 | Nil |
| LAURUS NOBILIS LEAF OIL | 8007-48-5 | Nil |
| LAVANDULA OIL/EXTRACT | 84776-65-8 | Nil |
| LEMONGRASS OIL | 91844-92-7 | Nil |
| LILAL | 80-54-6 | Nil |
| LIMONENE | 5989-27-5 | 70-80 |
| LINALOOL | 78-70-6 | Nil |
| LINALYL ACETATE | 115-95-7 | Nil |
| LIPPIA CITRIODORA ABSOLUTE | 85116-63-8 | Nil |
| LYRAL | 31906-04-5 | Nil |
| METHYL EUGENOL | 93-15-2 | Nil |
| MENTHA PIPERITA OIL | 8006-90-4 | Nil |
| MENTHA VIRIDIS LEAF OIL | 8008-79-5 | Nil |
| MENTHOL | 89-78-1 | Nil |
| METHYL 2-OCTYNOATE | 111-12-6 | Nil |
| 6-METHYL COUMARINE | 92-48-8 | Nil |
| METHYL SALICYCLATE | 119-36-8 | Nil |
| MYROXYLON PEREIRAE OIL/EXTRACT | 8007-00-9 | Nil |
| METHYL OCTINE CARBONATE | 111-80-8 | Nil |

| NARCISSUS EXTRACT | 90064-25-8 | Nil |
|--|-------------|-----|
| PELARGONIUM GRAVEOLENS FLOWER OIL | 8000-46-2 | Nil |
| PINENE | 80-56-8 | Nil |
| PINUS MUGO | 90082-72-7 | Nil |
| PINUS PUMILA | 97676-05-6 | Nil |
| POGOSTEMON CABIN OIL | 8014-09-3 | Nil |
| 3-PROPYLDENEPHTHALIDE | 17369-59-4 | Nil |
| ROSE FLOWER OIL / EXTRACT | 8007-01-0 | Nil |
| ROSE KETONES | 23696-85-7 | Nil |
| SALICYLALDEHYDE | 90-02-8 | Nil |
| SANTALOL | 77-42-9 | Nil |
| SANTALUM ALBUM OIL | 8006-87-9 | Nil |
| SCLAREOL | 515-03-7 | Nil |
| ALPHA-TERPINENE | 99-86-5 | Nil |
| TERPINEOL | 8000-41-7 | Nil |
| TERPINOLENE | 586-62-9 | Nil |
| TETRA METHYL ACETYL OCTAHYDRONAPHTALENES | 68155-67-9 | Nil |
| TRI METHYL BENZENE PROPANOL | 103694-68-4 | Nil |
| TRI METHYL CYCLOPENTENYL METHYL ISO PENTENOL | 67801-20-1 | Nil |
| TURPENTINE | 8052-14-0 | Nil |
| PHENYL ACETALDEHYDE | 122-78-1 | Nil |
| OAKMOSS | 90028-68-5 | Nil |
| TREEMOSS | 90028-67-4 | Nil |
| | | |

| PREVENTION OF CROSS CONTAMINATION | | | |
|-----------------------------------|--|--|--|
| Method | Working spaces and the equipments are cleaned and the goods are stored under standard conditions | | |

The above is based on the main allergens referred to in the following: -

Cosmetics Directive EC No.1223/2009

FDA: The Food Allergen Labelling and Consumer Protection Act of 2004(August 2004) (Title II of Public Law 108-282) effective from 1st Jan 2006.

Annex IIIa, of the Corncil Directive (EC) No 2003/89 of the 10^{th} November 2003, amending Directive 2000/13/EC as regards indication of the ingredients present in foodstuffs. Further amended by Corncil Directive 2007/68/EC of the 27^{th} November 2007

Codex Alimentarius: General Standard for the labelling of pre-packaged foods, Codex Standard 1-1985 (Rev 1-1991)

We hereby Declare that the information provided above is True to the best of orr knowledge and hence the aforementioned Product does not Contain elements that cause Adverse reactions in Susceptible Individuals as per the references provided in the respective Columns.



05.03.2024

Non CMR Declaration

To whom it may concern,

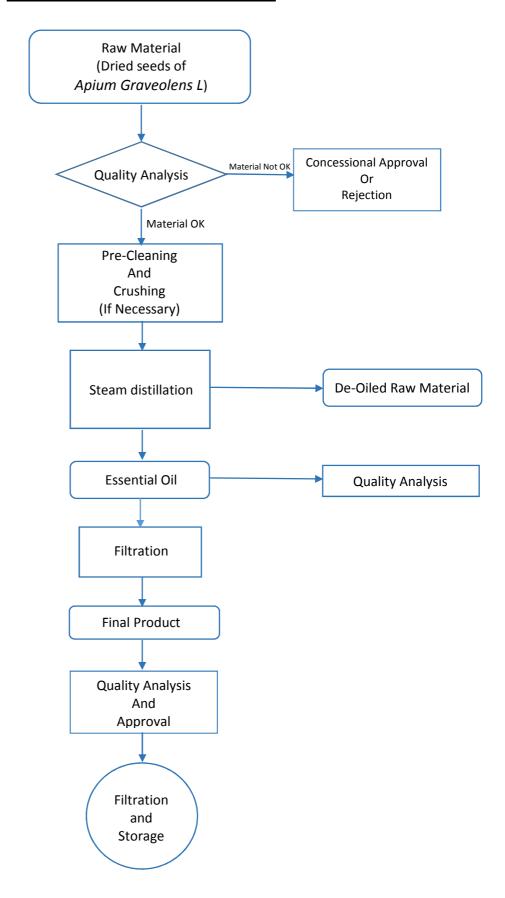
Our product is used as a raw material for the food and fragrance industry. It does not contain any substances classified as carcinogenic, mutagenic or toxic in the reproduction of CMR substances, categories 1A, 1B and 2, as mentioned in European Cosmetics Directive 1272/2008 (EC).

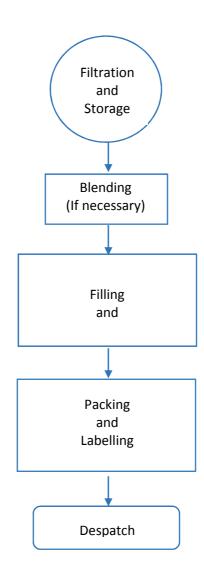
This declaration is refers to our product:

1.Celery seed Oil



PROCESS FLOWCHART FOR CELERY SEED OIL







05.03.2024

GENETICALLY MODIFIED ORGANISMS – STATEMENT

This is to certify that the below mentioned product

Product: Celery seed Oil

- a) Does not contain or derived from species which have been approved and released as GMO according to Regulation EC No. 1829/2003 & 1830/2003
- b) Does not contain any genetically modified protein or DNA
- c) Not produced from possible genetically modified material. Also, no genetically modified organisms like enzymes, micro-organisms, growing substrates, additives, processing aids etc. are used in connection with the production of this product or any of its ingredients or components.



IFRA 51TH AMENDMENT CONFIRMATION

18.01.2024

PRODUCT NAME : CELERY SEED OIL CHEMICAL NAME : Apium graveolens

CAS NUMBER : 8015-90-5 FEMA NUMBER : 2271

We certify that the above-named material conforms to the IFRA 51 code of practice and contains the following restricted components that are listed in the 51th amendment of the IFRA code of practice, and the concentration levels listed below are the maximum dosage allowed in each IFRA class:

| IFRA Class | Max Level of use (%) |
|----------------|----------------------|
| 1 | Not Restricted |
| 2 | 60.0 |
| 3 | 20.0 |
| 4 | Not Restricted |
| 5A, 5B, 5C, 5D | 59.0 |
| 6 | Not Restricted |
| 7A, 7B | 39.0 |
| 8 | 13.0 |
| 9 | Not Restricted |
| 10A, 10B | Not Restricted |
| 11A, 11B | 13.0 |
| 12 | Not Restricted |

IFRA Restricted ingredients and substances:

| Ingredient name | CAS | Concentration (mg/kg) | IFRA Std |
|-----------------|-----------|-----------------------|-------------------|
| Limonene | 5989-27-5 | 70 – 80% | Specification Std |

- The product is manufactured as per IFRA code of practices.
- Product is manufactured in keeping intention of the fragrance use.
- The product confirms to IFRA 51th amendment.

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

Product Name : CELERY SEED OIL
Category of product : Essential oil
CAS # : 8015-90-5
Fema No : 2271

CUSTOMS TARRIF CODE : 3301 2946

Relevant identified uses

Main use category : Concentrated aromatic and flavour ingredient which may be used in

flavour and fragrance compounds according to legal and IFRA or

FEMA GRAS/FDA guidelines.

Industrial/Professional use spec: Industrial

Company : Madar Corporation Limited

19 - 20 Sandleheath Indsutrial Estate

Fordingbridge SP6 1PA 01425 655 555

technical@madarcorporation.co.uk

2. HAZARDS IDENTIFICATION

Physical hazardsFlammable liquidsCategory 3Health hazardsSkin corrosion/irritationCategory 2Sensitization, skinCategory 1Aspiration hazardCategory 2

Environmental hazards Hazardous to the aquatic environment, Category 1

acute hazard

Hazardous to the aquatic environment, Category 1

long-term hazard

Label elements Pictogram







Signal word Danger

Hazard statement H226 Flammable Liquid and vapour

H304 May be fatal if swallowed and enters airways

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statement

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

smoking.

P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/ eye protection/

face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/

doctor.

P302+P352 IF ON SKIN wash with plenty of soap and water

P331 Do NOT induce vomiting.

Response P333+P313 If skin irritation or rash occurs: Get medical

advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before

reuse.

P370+P378 In case of fire: Use appropriate media to extinguish.

P391 Collect Spillage

Storage P403 + P233 Store in a well-ventilated place. Keep container tightly

closed.

P405 Store locked up.

Disposal P501 Dispose of contents/container in accordance with local/

regional/national/international regulations.

Hazard(s) not otherwise

Classified (HNOC)

none known.

Supplementary precautionary

Statements . None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances

| Chemical name | Common name and synonyms | CAS number | % |
|-----------------|--------------------------|------------|-----|
| CELERY SEED OIL | | 8015-90-5 | 100 |

Additional components

| Chemical name | Common names and synonym | CAS number | Hazard Class | % |
|---------------|-------------------------------|------------|---|---|
| | | | Category Code; Ha | |
| | | | statement codes | |
| LIMONENE | 1-methyl-4-(1 methylethenyl)- | 5989-27-5 | Flam. LIQ3-H226, Irrit -2- H315, Skin Se | |
| | cyclohexene | | H317, Asp Tox-1 - H3 | |
| | | | Aqut Chr-1-H410 | |

4. FIRST AID MEASURES

4.1. Description of First Aid Measures

General: 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. 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. Indication of Any immediate medical Attention and Special Treatments needed



None expected, see section 4.1 for further information

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Carbon dioxide, foam or dry powder

Use water Spray, DO NOT USE A DIRECT WATER JET

In case of overheating, cool containers to avoid a pressure increase

Special Hazard Arising: Burning produces irritating, toxic and obnoxious fumes **Combustion Products:** Carbon dioxide and unidentified organic compounds.

Special Protective Equipment: Wear protective clothing and avoid inhalation of vapours

For Fire fighters only: Wear Self-Contained Breathing apparatus for if necessary

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

Remove all sources of ignition. Avoid inhalation, skin and eye contact. Ensure proper ventilation.

6.2. Environmental precautions:

Do not discharge directly into drains or the soil. Keep away from surface and ground water

6.3. Methods and material for containment and cleaning up

Soak up spillage with sand or other inert absorbent material such as earth or vermiculite; transfer used material to a suitable waste container and dispose in accordance with regulations.

6.4. Reference to other sections:

Take Risk, Safety and Precautionary phrases (section 16) into account

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Handle in accordance with good hygiene and safety practice. 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 does not eat, drink or Smoke when using this product.

7.2. Handling

Wear safety glasses, rubber gloves and an apron when handling.

7.3. Storage

Do not store in close proximity to heat, sparks, open flames, strong acids, and strong bases.

To minimize product degradation, avoid prolonged exposure of the material to air. Keep container tightly closed when not in use.

7.4. Conditions for safe storage, including any incompatibilities

Store in tightly sealed original containers away from ignition sources and in a cool place.

7.5. Specific End Use(s)

Apart from the uses mentioned in this Documents, no other specific uses are stipulated at this time.

7.6. Shelf life

Not more than 3 years, when stored as recommended above.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION EXPOSURE CONTROLS:







Wear protective Equipments – Protective Gloves, Goggles and Coat

Ventilation

Mechanical exhaust may be needed in confined and warm areas.

Safety Station

An eyewash and safety shower should be readily available.

Contaminated Equipment

Clean contaminated equipment with soap and water.

8.3. Personal Protection

Eve/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Under normal conditions of use and where adequate ventilation is available to prevent buildup of excessive Vapor, this material should not require special engineering controls. However, in conditions of high or Prolonged use, or high temperature or other conditions which increase exposure, the following engineering Controls can be used to minimize exposure to personnel: a) increase ventilation of the area with local exhaust Ventilation. B) personnel can use an approved, appropriately fitted respirator with organic vapor cartridge or canisters and particulate filters. C) use closed systems for transferring and processing this material. Also Refer to sections 2 and 7.

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Free flowing liquid

Colour : Pale yellow to brownish yellow

Odour : Characteristic pleasant aroma of Indian Celery

Boiling point : Not determined

Vapor pressure : Not determined

Flash point : 49°C closed cup

Oxidizing properties : Not determined

Explosive properties : Not explosive

Flammability limits : Not determined

Solubility in water (Weight %): < 0.1

Solubility in 90% Alcohol : Generally, not soluble



10. STABILITY AND REACTIVITY

Reactivity

No data available

Conditions to Avoid

Prolonged or excessive heat and/or exposure to air may cause decomposition or oxidation of the material.

Materials to avoid

Contact with Chemicals may decompose the ingredients present in it. If possible, avoid contact with all kinds of Chemical. Avoid Light and Extreme temperatures to avoid ignition

Possibility of Hazardous Reactions

No data Available

Incompatible materials

Strong bases, Strong oxidizing agents, and highly reactive chemicals which may produce unknown reaction.

Hazardous Decomposition Products

Formed under Fire Conditions : Oxides of Carbon Other Decomposition Products : Not determined

11. TOXICOLOGY INFORMATION

Information on likely routes of exposure

Inhalation No adverse effects due to inhalation are expected.

Skin contact May cause an allergic skin reaction.

Eye contact Causes serious eye irritation

Ingestion May be harmful if swallowed. Droplets of the product

aspirated into the lungs through ingestion or vomiting may

cause a serious chemical pneumonia.

Symptoms related to theAspiration may cause pulmonary Edema and pneumonitis.

physical, chemical and Severe eye irritation. Symptoms may include stinging,

toxicological characteristics tearing, redness, swelling, and blurred vision. May cause an

allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity May be harmful if swallowed. May be harmful if swallowed

and enters airways.

Product Species Test Results

CELERY SEED OIL (CAS 8015-90-5)

Acute Dermal

LD50 Rabbit >5000 mg/kg

Oral

LD50 Rat >5000 mg/kg

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye

irritation

Causes serious eye irritation.

19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK Tel: 01425 655555 Email: technical@madarcorporation.co.uk Page 14 of 18

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization May cause an allergic skin reaction.

Germ cell mutagenicity

No data available to indicate product or any components

present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not available.

Reproductive toxicityThis product is not expected to cause reproductive or

developmental effects.

Not classified.

Not classified.

Specific target organ toxicity -

single exposure

Specific target organ toxicity -

repeated exposure
Aspiration hazard

specific target organicoxicity

May be harmful if swallowed and enters airways

12. ECOLOGICAL INFORMATION

Eco toxicity Very toxic to aquatic life with long lasting effects.

Persistence and degradability

No data is available on the degradability of this substance. No data available.

Bio accumulative potential

Mobility in soil

No data available

Other adverse effects

No other adverse environmental effects (e.g., ozone depletion, photochemical ozone creation potential,

endocrine disruption, global warming potential) are expected

from this component.

13. DISPOSAL CONSIDERATION

Dispose in accordance with the law and local regulations. Treat as trade effluent. In the event of a spillage, the oil can be contained by sand or soil and absorbed by paper from which the oil will evaporate.

14. TRANSPORT INFORMATION

The oil can be safely stored or transported in sound metal drums or bottles at ambient temperatures. Store in full sealed containers, keep cool and protect from light to preserve quality, preferred container for long term storage - stainless steel or glass.

| ADR | IMDG | IATA | ADN | RID |
|----------------|----------------|------------|------------|------------|
| 14.1 UN Number | 14.1 UN Number | | | |
| Road: 1197 | Road: 1197 | Road: 1197 | Road: 1197 | Road: 1197 |
| Rail: 1197 | Rail: 1197 | Rail: 1197 | Rail: 1197 | Rail: 1197 |
| Air: 1197 | Air: 1197 | Air: 1197 | Air: 1197 | Air: 1197 |

| 14.2 UN Proper Shipping Name / Description | | | | | |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--|
| Extracts,flavouring, Liquid | Extracts,flavouring, Liquid | Extracts,flavouring, Liquid | Extracts,flavouring, Liquid | Extracts,flavouring, Liquid | |
| 14.3 Transport Hazard Class | | | | | |
| FLAMMABLE | FLAMMABLE | FLAMMABLE | FLAMMABLE 3 | FLAMMABLE 3 | |
| 14.4 Packing Group | | | | | |
| III | III | III | III | III | |

15. REGULATORY INFORMATION

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

EU legislation Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Chemical safety assessment

No data available at this time

REGULATORY STATUS

The product is listed in CAS

CAS# 8015-90-5

FDA NO # 182.20

Fema NO # 2271

Council of Europe NO# 52n

H.S. CODE (CUSTOMS TARRIF CODE) # 3301 2946

16. OTHER INFORMATION

16.1. Further Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Greenleaf Extractions Pvt Ltd. Company and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

Computer edited Certificate - valid without signature UPDATED ON 01/01/2022



TECHNICAL DATA SHEET

Product: Celery Seed Oil

CAS NO: 8015-90-5

FEMA NO: 2271 HS CODE: 3301 2946

Description:

Celery Seed Oil is obtained by the steam distillation of dried seeds of Apium Graveolens L

Organoleptic characteristics:

Pale yellow to brownish yellow free flowing clear liquid with a characteristic pleasant aroma of Indian Celery

| ANALYTICAL QUALITY | | | | | |
|-------------------------|--------------------------------------|----------------------|--|--|--|
| Parameters | Specifications | Test Method | | | |
| Specific gravity @ 25°C | 0.870 to 0.910 | GLE/QC/108 (ref:FCC) | | | |
| Refractive Index @ 20°C | 1.480 to 1.490 | GLE/QC/107 (ref:FCC) | | | |
| Optical Rotation | +48 ⁰ to +78 ⁰ | GLE/QC/109 (ref:FCC) | | | |
| Limonene (by GC) | 70% - 80% | GLE/QC/112 | | | |

| HEAVY METALS | | | | |
|--------------|-------------------|--------|--|--|
| Arsenic | Less than 3 ppm | ICP-MS | | |
| Lead | Less than 3 ppm | ICP-MS | | |
| Cadmium | Less than 1 ppm | ICP-MS | | |
| Mercury | Less than 0.1 ppm | ICP-MS | | |

Halal & Kosher:

Certified by Halal Certification Services India Pvt Ltd and Star-K Kosher (USA).

Additives:

No additives

GMO Status:

The product is free from Genetically Modified Organisms.

Flavouring Status according to US (21 CFR 101-22) and EC(1334/2008):

Natural Flavouring Preparation

Packaging

18 kg/20 Kg/ 180 Kgs HDPE pails/barrels or as per customer requirement.

Storage:

Keep in full & tight containers away from direct heat and light at ambient temperature (24-25°c).

Shelf Life:

Not more than 3 years from the date of manufacture when stored under specified storage conditions.



05.03.2024

VEGAN & VEGETARIAN STATEMENT

To Whom It May Concern,

Product - Celery seed Oil

The above-mentioned product supplied, comply with a vegan or vegetarian diet. They contain no animal ingredients or animal by-products, use no animal ingredients or by-products in the manufacturing process, and are not tested on animals.

Therefore, it is suitable for vegan and vegetarians.