



CERTIFICATE OF ANALYSIS

| | |
|-----------------|---------------|
| Product Name | Geranium |
| Product Type | Fragrance Oil |
| Product Code | OFGERA |
| Batch No | 4389402 |
| Production Date | March 2020 |
| Best Before End | March 2023 |

| Tests | Specifications | Results |
|------------------------------------|---------------------------------------|----------|
| Odour | According to Standard | Conforms |
| Appearance | Colourless to pale yellow oily liquid | Conforms |
| Solubility in water (10%) | Insoluble | Conforms |
| Solubility in other solvents (10%) | Soluble in Ethyl alcohol | Conforms |

Storage Store in well sealed containers in cool, dry, dark place. Ideal temperature between 15-20 degrees Centigrade (59-70 degrees Fahrenheit).

Shelf Life Shelf life of this product depends very much on storage conditions, particularly temperature and exposure to light and air. Shelf life must be considered as subjective - the shelf life given here is based on the best of our knowledge and experience of the material when stored under recommended conditions in original unopened containers. Due to the natural ingredients contained in many of our products, there may be a slight batch to batch variation in the colour, odour or consistency. However we ensure that this does not effect the quality and efficacy of the products in any way.

ALLERGEN DECLARATION

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

Geranium Madar Corp

| Ingredient | CAS | EC | Concentration (%) |
|----------------|-----------|-----------|-------------------|
| Citral | 5392-40-5 | 226-394-6 | 0.06% |
| Geraniol | 106-24-1 | 203-377-1 | 43.32% |
| Linalool | 78-70-6 | 201-134-4 | 1.28% |
| d-Limonene | 5989-27-5 | 227-813-5 | 0.072% |
| dl-Citronellol | 106-22-9 | 203-375-0 | 1.44% |

Regulatory Affairs Department

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Geranium Madar Corp

Version: 1

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

1.1 Product Identifier

Product identifier: Geranium Madar Corp (Contains:Geraniol, Geranyl acetate, Nerol, Phenethyl acetate)

Other identifiers: None

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

Product uses: Fragrances

1.3 Details of the supplier of the safety data sheet

Company name: MADAR Corporation Limited

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

Contact: Pat

E-Mail address: technical@madarcorporation.co.uk

Company phone: 01425 655555

1.4 Emergency telephone number

Emergency phone: 01425 655555

Section 2. Hazards identification

2.1 Classification of the substance or mixture

Classification under Regulation (EC) No 1272/2008

Class and category of danger: Skin Corrosion / Irritation Category 2
Eye Damage / Irritation Category 1
Sensitization - Skin Category 1
H315, Causes skin irritation.
H317, May cause an allergic skin reaction.
H318, Causes serious eye damage.

2.2 Label elements

Signal word: Danger

Hazard statements: H315, Causes skin irritation.
H317, May cause an allergic skin reaction.
H318, Causes serious eye damage.

Supplemental Information: EUH208, Contains Linalool, Menthone, d,l-Isomenthone, dl-Citronellol. May produce an allergic reaction.

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Precautionary statements:

P261, Avoid breathing vapour or dust.
 P264, Wash hands and other contacted skin thoroughly after handling.
 P272, Contaminated work clothing should not be allowed out of the workplace.
 P280, Wear protective gloves/eye protection/face protection.
 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.
 P310, Immediately call a POISON CENTER or doctor/physician.
 P333/313, If skin irritation or rash occurs: Get medical advice/attention.
 P362, Take off contaminated clothing and wash before reuse.
 P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

Pictograms:



Other hazards: None

Section 3. Composition / information on ingredients

3.2 Mixtures

Contains:

| Name | CAS | EC | REACH Registration No. | % | Classification for (CLP) 1272/2008 |
|-------------------|------------|-----------|------------------------|---------|---|
| Geraniol | 106-24-1 | 203-377-1 | | 20-<50% | SCI 2-EDI 1-SS 1; H315-H317-H318,- |
| Nerol | 106-25-2 | 203-378-7 | | 10-<20% | SCI 2-EDI 1-EDI 2-SS 1B;H315-H317-H318-H319,- |
| Geranyl acetate | 105-87-3 | 203-341-5 | | 5-<10% | SCI 2-SS 1-SS 1B-EH C3;H315-H317-H412,- |
| Phenethyl acetate | 103-45-7 | 203-113-5 | | 5-<10% | EDI 1;H318,- |
| dl-Citronellol | 106-22-9 | 203-375-0 | | 1-<5% | SCI 2-EDI 2-SS 1B; H315-H317-H319,- |
| Linalool | 78-70-6 | 201-134-4 | | 1-<5% | SCI 2-EDI 2-SS 1B; H315-H317-H319,- |
| d,l-Isomenthone | 491-07-6 | 207-727-4 | | 0.1-<1% | SCI 2-SS 1B;H315-H317,- |
| Menthone | 10458-14-7 | 233-944-9 | | 0.1-<1% | SCI 2-SS 1B;H315-H317,- |

Substances with Community workplace exposure limits:

Not Applicable

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

Not Applicable

Section 4. First-aid measures

4.1 Description of first aid measures

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

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor/physician.

4.2 Most important symptoms and effects, both acute and delayed

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye damage.

4.3 Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

5.2 Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

6.2 Environmental precautions:

Keep away from drains, surface and ground water, and soil.

6.3 Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

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Product: Geranium Madar Corp

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6.4 Reference to other sections:

Also refer to sections 8 and 13.

Section 7. Handling and storage

7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

7.3 Specific end use(s):

Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits: Not Applicable

8.2 Exposure Controls

Eye / Skin Protection

Wear protective gloves/eye protection/face protection

Respiratory Protection

Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, 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 minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Not determined

Odour: Not determined

Odour threshold: Not determined

pH: Not determined

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| | |
|--|--|
| Melting point / freezing point: | Not determined |
| Initial boiling point / range: | Not determined |
| Flash point: | > 70 °C |
| Evaporation rate: | Not determined |
| Flammability (solid, gas): | Not determined |
| Upper/lower flammability or explosive limits: | Product does not present an explosion hazard |
| Vapour pressure: | Not determined |
| Vapour density: | Not determined |
| Relative density: | Not determined |
| Solubility(ies): | Not determined |
| Partition coefficient: n-octanol/water: | Not determined |
| Auto-ignition temperature: | Not determined |
| Decomposition temperature: | Not determined |
| Viscosity: | Not determined |
| Explosive properties: | Not expected |
| Oxidising properties: | Not expected |

9.2 Other information: None available

Section 10. Stability and reactivity

10.1 Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

10.2 Chemical stability:

Good stability under normal storage conditions.

10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

10.4 Conditions to avoid:

Avoid extreme heat.

10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

10.6 Hazardous decomposition products:

Not expected.

Section 11. Toxicological information

11.1 Information on toxicological effects

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

Acute Toxicity: Based on available data the classification criteria are not met.

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| | |
|---|--|
| Acute Toxicity Oral | >5000 |
| Acute Toxicity Dermal | >5000 |
| Acute Toxicity Inhalation | Not Available |
| Skin corrosion/irritation: | Skin Corrosion / Irritation Category 2 |
| Serious eye damage/irritation: | Eye Damage / Irritation Category 1 |
| Respiratory or skin sensitisation: | Sensitization - Skin Category 1 |
| Germ cell mutagenicity: | Based on available data the classification criteria are not met. |
| Carcinogenicity: | Based on available data the classification criteria are not met. |
| Reproductive toxicity: | Based on available data the classification criteria are not met. |
| STOT-single exposure: | Based on available data the classification criteria are not met. |
| STOT-repeated exposure: | Based on available data the classification criteria are not met. |
| Aspiration hazard: | Based on available data the classification criteria are not met. |

Information about hazardous ingredients in the mixture

Not Applicable

Refer to Sections 2 and 3 for additional information.

Section 12. Ecological information

| | |
|--|---------------|
| 12.1 Toxicity: | Not available |
| 12.2 Persistence and degradability: | Not available |
| 12.3 Bioaccumulative potential: | Not available |
| 12.4 Mobility in soil: | Not available |
| 12.5 Results of PBT and vPvB assessment: | |
| This substance does not meet the PBT/vPvB criteria of REACH, annex XIII. | |
| 12.6 Other adverse effects: | Not available |

Section 13. Disposal considerations

13.1 Waste treatment methods:

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14. Transport information

| | |
|---|---|
| 14.1 UN number: | Not classified |
| 14.2 UN Proper Shipping Name: | - |
| 14.3 Transport hazard class(es): | Not classified |
| Sub Risk: | Not classified |
| 14.4. Packing Group: | Not classified |
| 14.5 Environmental hazards: | Not environmentally hazardous for transport |
| 14.6 Special precautions for user: | None additional |

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

Not classified

Section 15. Regulatory information

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

None additional

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

Section 16. Other information

Concentration % Limits: SCI 2=15.13% EDI 1=4.74% EDI 2=1.57% SS 1=2.31%

Total Fractional Values: SCI 2=6.61 EDI 1=21.11 EDI 2=63.59 SS 1=43.32

Key to revisions:

Not applicable

Key to abbreviations:

| Abbreviation | Meaning |
|--------------|--|
| EDI 1 | Eye Damage / Irritation Category 1 |
| EDI 2 | Eye Damage / Irritation Category 2 |
| EH C3 | Hazardous to the Aquatic Environment - Long-term Hazard Category 3 |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H412 | Harmful to aquatic life with long lasting effects. |
| P261 | Avoid breathing vapour or dust. |
| P264 | Wash hands and other contacted skin thoroughly after handling. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/eye protection/face protection. |
| 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. |
| P310 | Immediately call a POISON CENTER or doctor/physician. |
| P333/313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P337/313 | If eye irritation persists: Get medical advice/attention. |
| P362 | Take off contaminated clothing and wash before reuse. |
| P501 | Dispose of contents/container to approved disposal site, in accordance with local regulations. |
| SCI 2 | Skin Corrosion / Irritation Category 2 |
| SS 1 | Sensitization - Skin Category 1 |

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Version: 1

| | |
|-------|----------------------------------|
| SS 1B | Sensitization - Skin Category 1B |
|-------|----------------------------------|

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.

IFRA CONFORMITY CERTIFICATE

Customer: MADAR Corporation Limited

Product: Geranium Madar Corp

We certify that the above item is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA - 48th Amendment / published June 2015), provided it is used in the following classes at a maximum concentration level of:

| IFRA classes [see annex for detail] | Maximum level of use (%) |
|-------------------------------------|--------------------------|
| IFRA Class 1 Limit | Not approved |
| IFRA Class 2 Limit | 0.92% |
| IFRA Class 3.A Limit | 4.15% |
| IFRA Class 3.B Limit | 4.15% |
| IFRA Class 3.C Limit | 4.15% |
| IFRA Class 3.D Limit | 4.15% |
| IFRA Class 4.A Limit | 12.23% |
| IFRA Class 4.B Limit | 12.23% |
| IFRA Class 4.C Limit | 12.23% |
| IFRA Class 4.D Limit | 12.23% |
| IFRA Class 5 Limit | 6.46% |
| IFRA Class 6 Limit | Not approved |
| IFRA Class 7.A Limit | 2.07% |
| IFRA Class 7.B Limit | 2.07% |
| IFRA Class 8.A Limit | 4.61% |
| IFRA Class 8.B Limit | 4.61% |
| IFRA Class 9.A Limit | 11.54% |
| IFRA Class 9.B Limit | 11.54% |
| IFRA Class 9.C Limit | 11.54% |
| IFRA Class 10.A Limit | 5.77% |
| IFRA Class 10.B Limit | 5.77% |
| IFRA Class 11 Limit | 100% |

IFRA CONFORMITY CERTIFICATE

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

Contains the following substances restricted by the current IFRA Standards:-

| Ingredient | CAS | Concentration (%) |
|-------------|---|-------------------|
| Citral | 5392-40-5, 141-27-5, 106-26-3 | 0.06% |
| Citronellol | 106-22-9, 1117-61-9, 26489-01-0, 6812-78-8, 141-25-3, 68916-43-8, 7540-51-4 | 1.44% |
| Geraniol | 106-24-1 | 43.32% |

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.

It is the ultimate responsibility of our customer to ensure the safety of the final product (containing this fragrance) by further testing if need be.

Regulatory Affairs Department

IFRA CONFORMITY CERTIFICATE

ANNEX: Definition of IFRA Classes

| Finished product types | IFRA class |
|---|-----------------------|
| Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, etc.); Children's Toys | IFRA Class 1 Limit |
| 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 and body spray, etc.); Nose pore strips; Fragranced Bracelets | IFRA Class 2 Limit |
| Hydroalcoholic Products Applied To Recently Shaved Skin (includes After Shave) (Edt range) | IFRA Class 3.A Limit |
| Hydroalcoholic Products Applied To Recently Shaved Skin (includes After Shave) (Fine fragrance range) | IFRA Class 3.B Limit |
| Eye Products of all types (eye shadow, mascara, eyeliner, eye make-up, etc.) including eye care; Men's Facial Creams and Balms; Baby Creams, Lotions, Oils; Body Paint for Children | IFRA Class 3.C Limit |
| Tampons | IFRA Class 3.D Limit |
| Hydroalcoholic Products applied to unshaved skin (includes aqueous based, alcoholic based and hydroalcoholic) like Cologne, eau de cologne, Eau de Parfum or Parfum (Edt range); Ingredients of Perfume Kits; Scent Pads, Foil packs; Scent Strips for hydroalcoholic products | IFRA Class 4.A Limit |
| Hydroalcoholic Products applied to unshaved skin (includes aqueous based, alcoholic based and hydroalcoholic) like Cologne, eau de cologne, Eau de Parfum or Parfum (Fine fragrance range) | IFRA Class 4.B Limit |
| Hair Styling Aids Sprays of all types (pumps, aerosol sprays, etc.); Body Creams, Oils, Lotions of all types (except baby creams, lotions and oils); Body sprays (including Body Mist) with no intended or reasonably foreseeable use on the axillae; Fragrance Compounds for Cosmetic Kits; Foot Care Products; Hair deodorant; Body Paint (except those for children) | IFRA Class 4.C Limit |
| Fragrancing Cream; Solid perfumes | IFRA Class 4.D Limit |
| Women's Facial Creams/Facial Make-up; Hand Cream; Hand sanitizers; Facial Masks; Baby Powder and Talc; Hair Permanent and other hair chemical treatments (e.g. relaxers) but not hair dyes; Wipes or Refreshing Tissues for Face, Neck, Hands, Body; Dry Shampoo or Waterless Shampoo | IFRA Class 5 Limit |
| Mouthwash, including Breath Sprays; Toothpaste | IFRA Class 6 Limit |
| Intimate Wipes; Baby Wipes | IFRA Class 7.A Limit |
| Insect Repellent (intended to be applied to the skin) | IFRA Class 7.B Limit |
| Make-up Removers of all types (not including face cleansers); Hair Styling Aids Non-Spray of all types (mousse, gels, leave-in conditioners, etc.); Nail Care; Powders and talcs, all types (except baby powders and talcs) | IFRA Class 8.A Limit |
| Hair Dyes | IFRA Class 8.B Limit |
| Conditioner (Rinse-Off); Liquid Soap; Shampoos of all types (including baby shampoos); Face Cleansers of all types (washes, gels, scrubs, etc.); Shaving Creams of all types (stick, gels, foams, etc.); All Depilatories (including waxes for mechanical hair removal); Body Washes of all types (including baby washes) and Shower Gels of all types; Bar Soap (Toilet Soap); Bath Gels, Foams, Mousses, Salts, Oils and Other Products added to bathwater | IFRA Class 9.A Limit |
| Feminine hygiene - pads, liners; Toilet paper; Wheat bags | IFRA Class 9.B Limit |
| Facial tissues; Napkins; Paper towels; Other Aerosols (including air freshener sprays and air freshener pump sprays, but not including deodorants/antiperspirants, hair styling aids sprays); Fragranced Face Masks (not intended to be used as medical device) | IFRA Class 9.C Limit |
| Handwash Laundry Detergents of all types including concentrates; Fabric Softeners of all types including fabric softener sheets; Household Cleaning Products, Other Types (fabric cleaners, soft surface cleaners, carpet cleaners, etc.); Machine Wash Laundry Detergents (liquids, powders, tablets, etc.) including laundry bleach and concentrates; Hand Dishwashing Detergent including concentrates; Hard Surface Cleaners of all types (bathroom and kitchen cleansers, furniture polish, etc.); Shampoos for pets; Dry cleaning kits; Scented gloves, socks, tights with moisturizers | IFRA Class 10.A Limit |
| Diapers; Toilet seat wipes | IFRA Class 10.B Limit |
| All non-skin contact or incidental skin contact including: Candles; Air Fresheners and Fragrancing of all types (concentrated aerosol with metered doses (range 0.05-0.5mL/spray), plug-ins, solid substrate, membrane delivery, electrical); Air Delivery Systems; Cell phone cases; Pot pourri, powders, fragrancing sachets, liquid refills for air fresheners (non-cartridge systems), Reed diffusers; Liquid refills for air fresheners (cartridge systems); Shoe Polishes; Deodorizers/Maskers not intended for skin contact (e.g. fabric drying machine deodorizers, carpet powders); Insecticides (mosquito coil, paper, electrical, for clothing etc.) excluding aerosols; Scent delivery system using a dry air technology that releases a fragrance without sprays, aerosols or heated oils (technology of nebulization); Air freshening crystals; Toilet Blocks; Joss Sticks or Incense Sticks; Machine Dishwash Detergent and Deodorizers; Machine-only Laundry Detergent (e.g. liquitabs); Plastic articles (excluding toys); Fuels; Fragranced lamp ring; Scent pack; Scratch and Sniff (sampling technology); Paints; Cat litter; Animal sprays (all types); Treatment products for textiles (e.g. starch sprays, fabric treated with fragrances after wash, deodorizers for textiles or fabrics); Floor wax; Odored Distilled Water (that can be added to steam irons) | IFRA Class 11 Limit |



Vegetarian & Vegan Suitability Statement

PRODUCT NAME: GERANIUM FRAGRANCE

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.

30/08/19