De Monchy Aromatics Limited

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SAFETY DATA SHEET

GHS: According to 2015/830/EU

Code Number 800598

Version 4 Revised 02/06/2020 08:24:18

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product Name PERILLA ALDEHYDE NATURAL

Code Number 800598

Alternative Name

REACH Reg No Not registered

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

This material is not for use in tobacco/tobacco products, E-Cigarettes or similar devices. See Section 16 Disclaimer.

1.3 Details of the supplier of the safety data sheet

De Monchy Aromatics Limited

Blackhill Road,

Holton Heath Industrial Park,

Holton Heath, Poole, Dorset BH16 6LS, UK

Telephone Number +44 (0)1202 620888

Email Address technical.department@demonchyaromatics.com

1.4 Emergency Tel No +44 (0)1202 653646

Section 2. Hazard Identification

2.1 Classification of the substance or mixture

SCI 2 Skin corrosion/irritation, category 2
EDI 2A Eye damage/irritation, category 2A

STO-SE 3(RI) Specific target organ, single exposure, respiratory irritation

2.2 Label elements

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GHS classification according to Regulation (EC) No 1272/2008

Hazard Pictograms



Signal Word Warning

Hazard Statements

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

Precautionary Statements

P261 Avoid breathing fumes.

P264 Wash hands thoroughly after handling

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves and eye protection

P302+P352 IF ON SKIN: Wash with water.

P304+P312 IF INHALED: Call a POISON CENTRE if you feel unwell.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for

breathing.

P305 IF IN EYES:

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical attention.

P351 Rinse cautiously with water for several minutes.

P362 Take off contaminated clothing.

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

P405 Store locked up.

P501 Dispose of contents/container to contents and container.

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2.3 Other Hazards

Contains nothing known from the allergens list which may produce an allergic reaction

No further information available at this time

Section 3. Composition / information on ingredients

Any percentage values listed here for hazardous components are for illustrative purposes only

3.1 Substances

Description PERILLA ALDEHYDE NATURAL

EC/EINECS 218-302-8
CAS Number 2111-75-3
USCAS Number 2111-75-3

Section 4. First Aid measures

Take phrases in section 2 into account

4.1 Description of first aid measures

After inhalation

Remove from the exposure area to fresh air. Contact a doctor if necessary.

After skin contact

Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.

After eye contact

Flush with plenty of water and seek medical advice if necessary.

After ingestion

Wash mouth with plenty of water and obtain medical advice immediately.

- 4.2 Most important symptoms and effects, both acute and delayed No further information available at this time
- 4.3 Indication of immediate medical attention and special treatment needed No further information available at this time

Section 5. Fire-fighting measures

5.1 Extinguishing Media

Carbon dioxide, foam or dry powder DO NOT USE A DIRECT WATER JET.

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5.2 Special hazards arising from the substance or mixture May produce Carbon dioxide and unidentified organic compounds.

5.3 Advice for fire-fighters

Wear protective clothing and avoid inhalation of vapours.

Section 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 absorbant material such as earth or vemiculite; transfer used material to a suitable waste container and dispose in accordance with regulations.

6.4 Reference to other sections

Refer to information in Sections 7, 8 and 13

Section 7. Handling and storage

7.1 Precautions for safe handling

Maintain good occupational and personal hygiene. Avoid inhalation and contact with skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities Sealed containers in a cool dark place. Check quality before use.

7.3 Specific end use(s)

No further information available

Section 8. Exposure controls / personal protection

8.1 Control Parameters

No information available

8.2 Exposure controls

Engineering controls

No information available

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Individual protection measures

Refer to Section 5 for specific fire/chemical personal protective equipment advice. Always wash routinely before breaks, meals and at the end of the work period.

Eye/face protection Wear safety goggles.

Hand protection

Wear chemically resistant disposable gloves.

Other skin protection

Wear overalls. Always wash routinely before breaks, meals and at the end of the work period.

Respiratory protection

Not generally required. Use inhalation protection in poorly ventilated areas

Thermal hazards

No information available

Environmental exposure controls

No information available

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

FLASH POINT (°C) 95.00

APPEARANCE Colourless to pale yellow liquid

ODOUR DESCRIPTION Herbal, grassy like mint and cumin

RELATIVE DENSITY @20C 0.960 to 0.972

VAPOUR PRESSURE No data available

AUTO-IGNITION TEMPERATURE No data available

ODOUR THRESHOLD No data available

pH Not applicable for this product

EVAPORATION RATE

VAPOUR DENSITY

No data available

PARTITION COEFFICIENT

No data available

DECOMPOSTION TEMPERATURE

No data available

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VISCOSITY No data available

EXPLOSIVE PROPERTIES Not determined (material not explosive)
OXIDISING PROPERTIES Not determined (not an oxidising agent)

9.2 Other information

No further information available

Section 10. Stability and reactivity

10.1 Reactivity

Not determined

10.2 Chemical Stability

Not determined

10.3 Possibility of hazardous reactions

Not determined

10.4 Conditions to avoid

Extreme temperatures

10.5 Incompatible materials

Highly reactive chemicals which may produce unknown reaction products and so cause additional hazards.

10.6 Hazardous decomposition products

Not determined

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not Applicable

Skin corrosion / irritation

No data available

Serious eye damage / irritation

No data available

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

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Carcinogenicity

No data available

Reproductive toxicity

No data available

STO-single exposure

No data available

STO-repeated exposure

No data available

Aspiration hazard

No data available

Information on likely routes of exposure

No data available

Symptoms related to the physical, chemical and toxicological characteristics No data available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No data available

Interactive effects

No data available

Other information

No data available

Section 12. Ecological information

12.1 Toxicity

No data available; avoid soil, surface water and water-bearing stratum contamination.

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

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12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No data available

Section 13. Disposal considerations

Please refer to the information in section 8 (Exposure controls and personal protection)

13.1 Waste treatment methods

Dispose in accordance with the law and local regulations. Treat as trade effluent.

Section 14. Transport information

14.1 UN number

Not Regulated

- 14.2 UN proper shipping name
- 14.3 Transport hazard class(es)
- 14.4 Packing group

Tunnel Code

14.5 Environmental Hazards

No relevant information available

14.6 Special precautions for user

No relevant information available

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable

Section 15. Regulatory information

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

No relevant information available at this time

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out

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Section 16. Other information

Full list of precautionary phrases

| · | |
|-----------|--|
| P261 | Avoid breathing fumes. |
| P264 | Wash hands thoroughly after handling |
| P271 | Use only outdoors or in a well-ventilated area. |
| P280 | Wear protective gloves and eye protection |
| P302+P352 | IF ON SKIN: Wash with water. |
| P304+P312 | IF INHALED: Call a POISON CENTRE if you feel unwell. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P305 | IF IN EYES: |
| P332+P313 | If skin irritation occurs: Get medical advice/attention. |
| P337+P313 | If eye irritation persists: Get medical attention. |
| P351 | Rinse cautiously with water for several minutes. |
| P362 | Take off contaminated clothing. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P405 | Store locked up. |
| | |

P501

Dispose of contents/container to contents and container.

References and further information

This product has not been tested, nor deemed safe, for use in tobacco/tobacco products, electronic cigarettes or similar devices. De Monchy Aromatics Limited instructs all customers not to use this material in the manufacture of tobacco / tobacco products, E-Cigarettes or any component thereof unless each customer takes all necessary steps to ensure its suitability and safety for such use.

Information in this SDS has been obtained from either measured values or from available published sources and is believed to be accurate. No warranty, express or implied, is made and De Monchy Aromatics Limited assumes no liability resulting from the use of this SDS. The information is offered in good faith but users of this material need to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment and must determine suitability of this information for their application.

IFRA Conformity Certificate

Compound Name : PERILLA ALDEHYDE NATURAL

Code Number : 800598

We certify that the above compound is in compliance with the standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA-48th amendment), provided it is used at a maximum concentration level of:

| IFRA category (*) | Maximum level of use (%)(w/w) (**) | |
|-------------------|------------------------------------|--|
| 1 (***) | 0.02 (***) | |
| 2 | 0.03 | |
| 3A | 0.10 | |
| 3B | 0.10 | |
| 3C | 0.10 | |
| 3D | 0.10 | |
| 4A | 0.10 | |
| 4B | 0.10 | |
| 4C | 0.10 | |
| 4D | 0.10 | |
| 5 | 0.10 | |
| 6 (***) | 0.50 (***) | |
| 7A | 0.05 | |
| 7B | 0.05 | |
| 8A | 0.10 | |
| 8B | 0.10 | |
| 9A | 0.10 | |
| 9B | 0.10 | |
| 9C | 0.10 | |
| 10A | 0.10 | |
| 10B | 0.10 | |
| 11 | 100.00 | |

- (*) See annex for definition of IFRA categories
- (**) Usage limit N/A = Not Applicable; no IFRA restrictions (***) IFRA would recommend 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

For other kinds of application or use at higher concentrations, a new safety evaluation may be needed; please contact De Monchy Aromatics Limited

The IFRA Standards regarding 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.

This information is valid when issued by De Monchy Aromatics Ltd or any of its subsidiaries The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. It is your responsibility to ensure that the usage of the fragrance ingredients and the levels of such usage are permitted at all times according to the relevant laws and regulations

Annex: Definition of IFRA QRA categories

| Finished Product Types | IFRA category |
|--|------------------|
| Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, etc.) Children's Toys | 1 |
| 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 | 2 |
| Hydroalcoholic Products Applied To Recently Shaved Skin (includes After Shave) - EdT | 3A |
| Hydroalcoholic Products Applied To Recently Shaved Skin (includes After Shave) - Fine Fragrance | 3B |
| 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 | 3C |
| Tampons | 3D |
| EdT - Hydroalcoholic Products applied to unshaved skin (includes aqueous based, alcoholic based and hydroalcoholic) like Cologne, eau de cologne, Eau de Parfum or Parfum Ingredients of Perfume Kits Scent Pads, Foil packs Scent Strips for hydroalcoholic products | 4A |
| Fine Fragrance - Hydroalcoholic Products applied to unshaved skin (includes aqueous based, alcoholic based and hydroalcoholic) like Cologne, eau de cologne, Eau de Parfum or Parfum | 4B |
| 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) | 4C |
| Fragrancing Cream, Solid Perfumes | 4D |
| Facial Masks Women' s Facial Creams/Facial Make-up, Hand Cream, Hand sanitizers, 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 | 5(*) 5 |
| Mouthwash, including Breath Sprays, Toothpaste | 6 |
| Intimate Wipes, Baby Wipes | 7A |
| Insect Repellent (intended to be applied to the skin) | 7В |
| Make-up Removers of all types (not including face cleansers), Hair Styling Aids Non-Spray of all types (mousse, gels, leave-conditioners, etc.), Nail Care, Powders and talcs, all types (except baby powders and talcs) | 8A |
| Hair Dyes | 8B |
| 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 | 9A |
| Feminine hygiene - pads, liners, Toilet paper, Wheat bags | 9B |
| 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) | 9C |

Annex: Definition of IFRA QRA categories - continued

| Finished Product Types | IFRA category |
|--|------------------|
| 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 | 10A |
| Diapers, Toilet seat wipes | 10B |
| All non-skin contact or incidental skin contact including: | 11 |
| 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, 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) | |

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.

^{*} Class 5, Facial masks: There are several types of masks: peel off (similar to rinse-off, rinse-off and leave-on (you only remove the excess with a facial tissue). To ease the split the most restrictive, i.e. leave-on is applied for all.

^{**} Liquitabs corresponds to a dose of liquids wrapped in a film: no contact with hands is expected under normal conditions of use

Allergen Analysis

Compound Name : PERILLA ALDEHYDE NATURAL

Code Number : 800598

| ingradient | 0.00.1 | Concentration present as a percentage (%) or 'A' for absent in | | |
|--|------------|--|------------------------------------|-------|
| ingredient | CAS No. | Added as such | From natural & other sources | Total |
| alpha-iso-Methylionone | 127-51-5 | A | A | |
| Amyl Cinnamal | 122-40-7 | A | A | |
| Amylcinnamyl Alcohol | 101-85-9 | A | A | |
| Anise Alcohol | 105-13-5 | А | А | |
| Benzyl Alcohol | 100-51-6 | A | А | |
| Benzyl Benzoate | 120-51-4 | А | А | |
| Benzyl Cinnamate | 103-41-3 | А | А | |
| Benzyl Salicylate | 118-58-1 | А | А | |
| Butylphenyl Methylpropional (Lilial) | 80-54-6 | A | А | |
| Cinnamal | 104-55-2 | A | А | |
| Cinnamyl Alcohol | 104-54-1 | А | А | |
| Citral | 106-26-3 | А | А | |
| | 141-27-5 | | | |
| | 5392-40-5 | | | |
| Citronellol | 106-22-9 | A | А | |
| | 1117-61-9 | | | |
| | 141-25-3 | | | |
| | 6812-78-8 | | | |
| | 68916-43-8 | | | |
| | 7540-51-4 | | | |
| Coumarin | 91-64-5 | A | А | |
| Eugenol | 97-53-0 | А | А | |
| Evernia Furfuraceae (Tree Moss) Extract | 90028-67-4 | A | А | |
| Evernia Prunastri (Oak Moss) Extract | 90028-68-5 | A | А | |
| Farnesol | 4602-84-0 | A | А | |
| Geraniol | 106-24-1 | A | А | |
| Hexyl Cinnamal | 101-86-0 | А | А | |
| Hydroxycitronellal | 107-75-5 | A | А | |
| Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde (Lyral) | 31906-04-4 | А | А | |
| Isoeugenol | 97-54-1 | А | А | |
| Limonene | 138-86-3 | А | А | |
| | 5989-27-5 | | | |
| | 5989-54-8 | | | |
| | 7705-14-8 | | | |
| Linalool | 126-90-9 | А | А | |
| | 126-91-0 | | | |
| | 78-70-6 | | | |
| Methyl 2-Octynoate | 111-12-6 | A | Α | |

Ingredient Declaration for label

Compound Name : PERILLA ALDEHYDE NATURAL Code Number : 800598 Suggested labelling for foodstuffs according to (EU) 1169/2011 Flavour labelling Contains: Legal Composition List of flavouring categories and other ingredients in descending order of weight Any substances which are restricted in food are listed below

Food Allergen Declaration According to (EU) 1169/2011

Compound Name : PERILLA ALDEHYDE NATURAL

Code Number : 800598

We have carefully reviewed the ingredients in this product.

| Allergen Source | Present |
|---|---------|
| Celery and products thereof | No |
| Crustaceans and products thereof | No |
| Eggs and products thereof | No |
| Fish and products thereof | No |
| Cereals containing gluten (i.e. wheat, rye, barley, oats, spelt, kamut or their hybridised strains) and products thereof | No |
| Lupin and products thereof | No |
| Milk and products thereof (including lactose) | No |
| Molluscs and products thereof | No |
| Mustard and products thereof | No |
| Nuts i.e. Almond, Hazelnut, Walnut, Cashew, Pecan nut, Brazil nut, Pistachio nut, Macadamia nut and Queensland nut and products thereof | No |
| Peanuts and products thereof | No |
| Sesame seeds and products thereof | No |
| Soybeans and products thereof | No |
| Sulphur dioxide and sulphites at concentrations of more than 10 mg/kg or 10 mg/litre expressed as SO2 | No |

Vegetarian Declaration

Compound Name : PERILLA ALDEHYDE NATURAL

Code Number : 800598

| Vegan | Y | Free from all animal products or animal by-products including eggs, milk products, honey and free from all products or by-products of the fishing industry, including additives and processing aids |
|-------------------------|---|---|
| Vegetarian | Y | Free from all animal products or animal by-products with the exception of eggs, milk products, honey and free from all products or by-products of the fishing industry, including additives and processing aids |
| Ovo-lacto Vegetarian | Υ | May include egg, dairy and bee products. No other ingredients of animal origin or animal derivatives, including additives and processing aids are allowed |

GMO Declaration

According to 1829/2003/EC

Compound Name : PERILLA ALDEHYDE NATURAL

Code Number : 800598

We have carefully reviewed the ingredients in this product for their potential genetically modified (GM) origin. The list includes ingredients which may be produced from other GM ingredients

| Material | Present | Of GMO Origin |
|-------------------|---------|---------------|
| Chicory | No | - |
| Cotton | No | - |
| Maize | No | - |
| Potato | No | - |
| Rapeseed (Canola) | No | - |
| Soya | No | - |
| Sugar Beet | No | - |
| Tomato | No | - |
| Wheat | No | - |