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SAFETY DATA SHEET

Printed on 16 May 2017

According to 1907/2006/EC, Article 31 as amended by 453/2010/EC

Code Number : NAT-11670

Version 2 Revised 01/05/2015 11:29:37

1. IDENTIFICATION OF SUBSTANCE / MIXTURE AND COMPANY

Product Identifier

Compound Name : LEMONGRASS OIL{B130}

Code Number : NAT-11670

Relevant identified uses of the substance/mixture and uses advised against
Concentrated material for manufacturing purposes only.

Details of the supplier of the safety data sheet

Absolute Aromas
Absolute Aromas Ltd
1 Absolute House
Mill Lane
Alton
Hampshire
GU34 2PX

Telephone Number : +44 (0) 1420 540400

Email Address : Relax@absolute-aromas.com

Emergency Tel No : +44 (0) 1420 540400

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

CLP Classification according to EC1272/2008

SCI 2 : Skin corrosion/irritation, category 2
SS 1 : Skin sensitisation, category 1
EDI 1 : Eye damage/irritation, category 1
EH C2 : Aquatic hazard, chronic, category 2

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EU DSD classification according to 67/548/EEC, 1999/45/EC, 2001/58/EC

Hazard Symbols



Xi: Irritant



N: Dangerous for the Environment

Risk Codes : R36/38,R43,R51/53

HydroCarbons : <= 10%

Additional Information

Full text of R and S phrases: see Section 16

CLP Labelling

Symbols



Signal Word Danger

Hazard Statements

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H411 Toxic to aquatic life with long lasting effects

Precautionary Statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 Avoid breathing fumes.

P264 Wash hands 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 and eye protection

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P302+P352	IF ON SKIN: Wash with %.
P305	IF IN EYES:
P312	Call % if you feel unwell.
P321	Specific treatment (see % on this label).
P333+P313	If skin irritation or rash occurs: Get medical advice.
P362	Take off contaminated clothing.
P391	Collect spillage.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of Local Environment Regulations in accordance with regulation.

Other Hazards

No data available at this time

3. COMPOSITION AND INFORMATION ON INGREDIENTS

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

Description	Lemongrass oil, West Indian
REACH Reg No	
USCAS Number	8007-02-1
CAS Number	89998-14-1
EINECS	289-752-0

Hazardous substances in complex natural material

Chemical Name	CAS No. EC No.	Classification 67/548/EEC	Classification EC 1272/2008	Conc (%)
Geranial	141-27-5 205-476-5	Xi; R38,R43	SCI 2;SS 1B;EDI 2	44.2840
Neral	106-26-3 203-379-2	Xi; R38,R43	SCI 2;SS 1B;EDI 2	36.6700
Geraniol	106-24-1 203-377-1	Xi; R38,R41,R43	SCI 2;EDI 1;SS 1	5.5670
Geranyl acetate	105-87-3 203-341-5	N; R51/53	EH C2	3.3790
alpha-Pinene	80-56-8 201-291-9	Xn; R10,R38,R43,R65	FL 3;SCI 2;SS 1B;AH 1	2.5000
gamma-Terpinene (p-Mentha-1,4-diene)	99-85-4 202-794-6	Xn; R10,R65	FL 3;AH 1	2.5000
d-Limonene (p-Mentha-1,8-diene)	5989-27-5 227-813-5	Xi,N; R10,R38,R43,R50/53,R 65	FL 3;SCI 2;SS 1B;AH 1;EH A1,C1	2.0000

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6-Methyl-5-hepten-2-one (MHO)	110-93-0 203-816-7	Xi; R10,R36	FL 3	1.8730
Linalool	78-70-6 201-134-4	Xi; R38	EDI 2;SCI 2	1.8600
Methyl heptenone (5-Methyl-2-hepten-4-one)	81925-81-7 206-990-2	Xi; R36/38,R43	EDI 2;SCI 2;SS 1	1.7240
Caryophyllene	87-44-5 201-746-1	Xn; R65	AH 1	1.4000
alpha-Terpineol	98-55-5 202-680-6	Xi; R36/38	SCI 2;EDI 2	1.1940
Camphene	79-92-5 201-234-8	F,Xi,N; R11,R36,R50/53	FS 2;EDI 2;EH A1,C1	1.0380
Linalyl acetate	115-95-7 204-116-4	Xi; R38	SCI 2;EDI 2	0.9660

4. FIRST AID MEASURES

- General : Take phrases in sections 2 and 15 into account
- Inhalation : Remove from the exposure area to fresh air. Contact a doctor if necessary.
- Ingestion : Wash mouth with plenty of water and obtain medical advice immediately.
- 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.
- Eye Contact : Flush with plenty of water and seek medical advice if necessary.

5. FIRE-FIGHTING MEASURES

- Extinguishing Media : Carbon dioxide, foam or dry powder
DO NOT USE A DIRECT WATER JET.
In case of overheating, cool containers to avoid a pressure increase.
- Combustion Products : Carbon dioxide and unidentified organic compounds.
- Special Protective Equipment for Fire Fighters Only : Wear protective clothing and avoid inhalation of vapours.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition.

Avoid inhalation, skin and eye contact.

Ensure proper ventilation.

Environmental precautions

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

Methods and material for containment and cleaning up

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

Reference to other sections

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

7. HANDLING AND STORAGE

Precautions for safe handling

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

Conditions for safe storage, including any incompatibilities

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

Specific end use(s)

Not available at this time

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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters

-

Exposure Controls

Maintain adequate ventilation.

Personal Protection

Respiratory Protection : Not generally required. Use inhalation protection in poorly ventilated areas

Hand Protection : Wear chemically resistant disposable gloves.

Eye Protection : Wear safety goggles.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Flash Point (°C) : 89

Liquid : Mobile Liquid

Colour : Yellow - Brown

Aroma : Citrus

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10. STABILITY AND REACTIVITY

Conditions to avoid : Extreme temperatures
Incompatible materials : Highly reactive chemicals which may produce unknown reaction products and so cause additional hazards.
Hazardous decomposition products : Not determined

11. TOXICOLOGY INFORMATION

No data available

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

UN Number : 3082
Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (LEMONGRASS OIL, WEST INDIAN)
Class : 9
Packing Group : III
Tunnel Code : (E)
Environmental Hazards :
No relevant information available
Special precautions for user :
No relevant information available
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code :
Not applicable

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15. REGULATORY INFORMATION

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

No relevant information available at this time

Chemical safety assessment

A chemical safety assessment has not been carried out

Contains Citral, Geraniol, Limonene and Linalool which may produce an allergic reaction

16. OTHER INFORMATION

Text of the risk and safety phrases listed in section 2

R36/38	Irritating to eyes and skin
R43	May cause sensitisation by skin contact
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
S24	Avoid contact with skin
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S37	Wear suitable gloves
S61	Avoid release to the environment. Refer to special instructions/safety data sheet
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing fumes.
P264	Wash hands thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.

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P280	Wear protective gloves and eye protection
P302+P352	IF ON SKIN: Wash with %.
P305	IF IN EYES:
P312	Call % if you feel unwell.
P321	Specific treatment (see % on this label).
P333+P313	If skin irritation or rash occurs: Get medical advice.
P362	Take off contaminated clothing.
P391	Collect spillage.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of Local Environment Regulations in accordance with regulation.

Text of the risk phrases listed in section 3

R10	Flammable
R11	Highly flammable
R36	Irritating to eyes
R36/38	Irritating to eyes and skin
R38	Irritating to skin
R41	Risk of serious damage to eyes
R43	May cause sensitisation by skin contact
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65	Harmful: may cause lung damage if swallowed

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IFRA Conformity Certificate

Compound Name : LEMONGRASS OIL{B130}

Code Number : NAT-11670

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 (***)	0.05 (***)
2	0.06
3A	0.25
3B	0.25
3C	0.25
3D	0.25
4A	0.74
4B	0.74
4C	0.74
4D	0.74
5	0.37
6 (***)	1.24 (***)
7A	0.12
7B	0.12
8A	1.73
8B	1.73
9A	6.18
9B	6.18
9C	6.18
10A	3.09
10B	3.09
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 Absolute Aromas

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.

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)	7B
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
<p style="text-align: center;">All non-skin contact or incidental skin contact including:</p> <p>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. liquid tabs)**, 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)</p>	11

* 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.

** Liquid tabs corresponds to a dose of liquids wrapped in a film: no contact with hands is expected under normal conditions of use

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.



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Allergen Analysis

Compound Name : LEMONGRASS OIL{B130}

Code Number : NAT-11670

ingredient	CAS No.	Concentration present as a percentage (%) or 'A' for absent in		
		Added as such	From natural & other sources	Total
alpha-iso-Methylionone	127-51-5	A	A	A
Amyl Cinnamal	122-40-7	A	A	A
Amylcinnamyl Alcohol	101-85-9	A	A	A
Anise Alcohol	105-13-5	A	A	A
Benzyl Alcohol	100-51-6	A	A	A
Benzyl Benzoate	120-51-4	A	A	A
Benzyl Cinnamate	103-41-3	A	A	A
Benzyl Salicylate	118-58-1	A	A	A
Butylphenyl Methylpropional (Lilial)	80-54-6	A	A	A
Cinnamal	104-55-2	A	A	A
Cinnamyl Alcohol	104-54-1	A	A	A
Citral	106-26-3	A	80.95	80.95
	141-27-5			
	5392-40-5			
Citronellol	106-22-9	A	A	A
	1117-61-9			
	141-25-3			
	6812-78-8			
	68916-43-8			
7540-51-4				
Coumarin	91-64-5	A	A	A
Eugenol	97-53-0	A	A	A
Evernia Furfuraceae (Tree Moss) Extract	90028-67-4	A	A	A
Evernia Prunastri (Oak Moss) Extract	90028-68-5	A	A	A
Farnesol	4602-84-0	A	A	A
Geraniol	106-24-1	A	5.57	5.57
Hexyl Cinnamal	101-86-0	A	A	A
Hydoxycitronellal	107-75-5	A	A	A
Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde (Lyral)	31906-04-4	A	A	A
Isoeugenol	97-54-1	A	A	A
Limonene	138-86-3	A	2.00	2.00
	5989-27-5			
	5989-54-8			
Linalool	126-90-9	A	1.86	1.86
	126-91-0			
	78-70-6			
Methyl 2-Octynoate	111-12-6	A	A	A

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