



SAFETY DATA SHEET

CLP: REACH Regulation (EU) 2020/878

Printed on 11 Jun 2024

Code Number

DEV-53106

Version 8 Revised 11/06/2024 09:58:57

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

1.1 Product Identifier

Product Name	B.ORANGE FRAGRANCE
Code Number	DEV-53106
Alternative Name	
REACH Registration Number	Not registered

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

1.3 Details of the supplier of the safety data sheet

Essican Purelife
Unit 2A, Hollow wood road
Dover
Kent
CT17 0UB

Telephone Number	01304 273111
Email Address	sales@purelifeuk.co.uk

1.4 Emergency Telephone Number

07922230825

Section 2: Hazard Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin. Irrit. 2;H315

Skin Sens. 1B;H317

Eye Irrit. 2;H319

Aquatic Chronic 2;H411

Refer to section 16 for the wording of listed classification and hazard statement codes

2.2 Label elements

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CLP: Labelling according to Regulation (EC) No 1272/2008

Hazard Pictograms



Signal Word Warning

Hazard Statements

H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H411 Toxic to aquatic life with long lasting effects

Precautionary Statements

P273 Avoid release to the environment.
P280 Wear protective gloves and eye protection
P302+P352 IF ON SKIN: Wash with plenty of water.
P333+P313 If skin irritation or rash occurs: Get medical advice.
P337+P313 If eye irritation persists: Get medical attention.
P501 Dispose of contents/container to approved disposal site, in accordance with local regulations.

2.3 Other Hazards

Contains Citronellol, Limonene and Linalool which may produce an allergic reaction

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Section 3: Composition / information on ingredients

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

3.2 Mixtures

Complex mixture of fragrance ingredients

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Hazardous components

ID Numbers	Chemical Name, Classification and Hazards	Conc. (%)	SCL / ATE / M-Factor
CAS 1222-05-5 EINECS 214-946-9 REACH	Galaxolide (Abbalide) (HHCb) (1,2,3,4,6,7-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-2-benzopyran) Skin. Irrit. 3;H316,Aquatic Acute 1;H400,Aquatic Chronic 1;H410	>=5%, <10%	
CAS 88-41-5 EINECS 201-828-7 REACH	Verdorex (ortho-tert.-Butyl cyclohexyl acetate) Aquatic Chronic 2;H411	>=5%, <10%	
CAS 54982-83-1 EINECS 259-423-6 REACH	Ethylene dodecanediote (Musk C-14) Aquatic Acute 1;H400,Aquatic Chronic 3;H412	>=5%, <10%	
CAS 63500-71-0 EINECS 405-040-6 REACH	Florol (2-iso Butyl-4-hydroxy-4-methyl tetrahydro pyran) Eye Irrit. 2;H319	>=5%, <10%	
CAS 54464-57-2 EINECS 259-174-3 REACH	Iso E super (Octahydro-2,3,8,8-tetramethyl-2-acetonaphthone) Skin. Irrit. 2;H315,Skin Sens. 1B;H317,Aquatic Chronic 2;H411	>=5%, <10%	
CAS 106-22-9 EINECS 203-375-0 REACH	dl-Citronellol (3,7-Dimethyl-6-octen-1-ol) (Dihydrogeraniol) Skin. Irrit. 2;H315,Skin Sens. 1B;H317,Eye Irrit. 2;H319	>=1%, <3%	
CAS 78-70-6 EINECS 201-134-4 REACH	Coriandrol (Linalool) (3,7-Dimethyl-1,6-octadien-3-ol) Skin. Irrit. 2;H315,Skin Sens. 1B;H317,Eye Irrit. 2;H319	>=1%, <3%	
CAS 1506-02-1 EINECS 216-133-4 REACH	6-Acetyl-1,1,2,4,4,7-hexamethyltetraline (Tonalide,Fixolide,AHTN) Acute Tox. 4;H302,Aquatic Acute 1;H400,Aquatic Chronic 1;H410	>=1%, <3%	LD50(oral): 1000 mg/kg
CAS 81782-77-6 EINECS 279-815-0 REACH	Undecavertol (4-Methyl-3-decen-5-ol) Aquatic Acute 1;H400,Aquatic Chronic 2;H411	>=1%, <3%	
CAS 103-95-7 EINECS 203-161-7 REACH	Cyclamen aldehyde (2-Methyl-3-(p-isopropylphenyl) propionaldehyde) (repr. Cat 3) Skin. Irrit. 2;H315,Skin Sens. 1B;H317,Aquatic Chronic 3;H412	>=0.1%, <1%	
CAS 115-95-7 EINECS 204-116-4 REACH	Linalyl acetate Skin. Irrit. 2;H315,Skin Sens. 1;H317,Eye Irrit. 2;H319	>=0.1%, <1%	
CAS 5989-27-5 EINECS 227-813-5 REACH	d-Limonene (p-Mentha-1,8-diene) Flam. Liq. 3;H226,Asp. Tox. 1;H304,Skin. Irrit. 2;H315,Skin Sens. 1B;H317,Aquatic Acute 1;H400,Aquatic Chronic 1;H410	>=0.1%, <1%	

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CAS 105-87-3 EINECS 203-341-5 REACH	Geranyl acetate Skin. Irrit. 2;H315,Skin Sens. 1B;H317,Aquatic Chronic 3;H412	>=0.1%, <1%	
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Refer to section 16 for the wording of listed classification and hazard statement codes

Section 4: First Aid measures

Take phrases in section 2 into account

4.1 Description of first aid measures

After inhalation

After skin contact

After eye contact

After ingestion

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of immediate medical attention and special treatment needed

Section 5: Fire-fighting measures

5.1 Extinguishing Media

5.2 Special hazards arising from the substance or mixture

5.3 Advice for fire-fighters

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.2 Environmental precautions

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6.3 Methods and material for containment and cleaning up

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

7.2 Conditions for safe storage, including any incompatibilities

7.3 Specific end uses

Section 8: Exposure controls / personal protection

8.1 Control Parameters

Occupational exposure limits:

UK / WEL

(Workplace exposure limits, EH40/2005, 2020)

CAS	Long-term (8hr TWA) mg/m3	Long-term (8hr TWA) ppm	Short-term (15min) mg/m3	Short-term (15min) ppm	Notes
84-66-2		5		10	
84-66-2		5		10	

8.2 Exposure controls

Engineering controls

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

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Hand protection

Other skin protection

Respiratory protection

Thermal hazards

Environmental exposure controls

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Flash Point (°C) Above 61

Physical state Liquid

9.2 Other information

Information with regard to physical hazard classes

Other safety characteristics

No further information available

Section 10: Stability and reactivity

10.1 Reactivity

10.2 Chemical Stability

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

10.5 Incompatible materials

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10.6 Hazardous decomposition products

Section 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

6-Acetyl-1,1,2,4,4,7-hexamethyltetraline
(Tonalide, Fixolide, AHTN) CAS: 1506-02-1

LD50(oral): 1000 mg/kg LD50(dermal): Not applicable
LC50(inhalation): Not applicable

Skin corrosion / irritation

Serious eye damage / irritation

Respiratory or skin sensitisation

Germ cell mutagenicity

Carcinogenicity

Reproductive toxicity

Specific Target Organ - single exposure

Specific Target Organ - repeated exposure

Aspiration hazard

Information on likely routes of exposure

Symptoms related to the physical, chemical and toxicological characteristics

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

Interactive effects

11.2 Information on other hazards

Endocrine disrupting properties

No data

Section 12: Ecological information

12.1 Toxicity

12.2 Persistence and degradability

No data

12.3 Bioaccumulative potential

12.4 Mobility in soil

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties

No data

12.7 Other adverse effects

12.8 Additional information

No data

Section 13: Disposal considerations

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

13.1 Waste treatment methods

Section 14: Transport information

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14.1 UN number or ID number	3082
14.2 UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS HEXAHYDROHEXAMETHYL CYCLOPENTABENZOPYRAN)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
Tunnel Code	(E)
14.5 Environmental Hazards	
14.6 Special precautions for user	

Section 15: Regulatory information

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

15.2 Chemical safety assessment

Section 16: Other information

Full list of precautionary phrases

P273	Avoid release to the environment.
P280	Wear protective gloves and eye protection
P302+P352	IF ON SKIN: Wash with plenty of water.
P333+P313	If skin irritation or rash occurs: Get medical advice.
P337+P313	If eye irritation persists: Get medical attention.
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.

Wording of any hazard classes listed in section 3

FL 3	Flammable liquid, category 3
ATO 4	Acute toxicity, oral, category 4
AH 1	Aspiration hazard, category 1
SCI 2	Skin corrosion/irritation, category 2

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SCI 3	Skin corrosion/irritation, category 3
SS 1	Skin sensitisation, category 1
SS 1B	Skin sensitisation, category 1B
EDI 2	Eye damage/irritation, category 2
EH A1	Aquatic hazard, acute, category 1
EH C1	Aquatic hazard, chronic, category 1
EH C2	Aquatic hazard, chronic, category 2
EH C3	Aquatic hazard, chronic, category 3

Wording of any hazard statements listed in section 3

H226	Flammable liquid and vapour
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H316	Causes mild skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

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CERTIFICATE OF CONFORMITY OF FRAGRANCE MIXTURES WITH IFRA STANDARDS

This Certificate assesses the conformity of a fragrance mixture with IFRA Standards and provides restrictions for use as necessary. It is based only on those materials subject to IFRA Standards for the toxicity endpoint(s) described in each Standard.

CERTIFYING PARTY:

Essican Purelife

Unit 2A, Hollow wood road, Dover, Kent, CT17 0UB, England.

CERTIFICATE DELIVERED TO:

Customer:

SCOPE OF THE CERTIFICATE:

Product: DEV-53106 B.ORANGE FRAGRANCE

COMPULSORY INFORMATION:

We certify that the above mixture is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA), up to and including the 51st Amendment to the IFRA Standards (published June, 2023), provided it is used in the following category(ies) at a maximum concentration level of:

IFRA Category(ies) [see Table 12 in Guidance for the use of IFRA Standards for details]	Level of use (%)*
Category 1	0.00
Category 2	22.00
Category 3	8.20
Category 4	100.00
Category 5A	100.00
Category 5B	11.20
Category 5C	15.20
Category 5D	3.80
Category 6	0.00
Category 7A	13.40
Category 7B	13.40
Category 8	3.80
Category 9	48.00
Category 10A	48.00
Category 10B	100.00
Category 11A	3.80
Category 11B	3.80
Category 12	100.00

*Actual use level or maximum use level

For other kinds of application or use at higher concentration levels, a new evaluation may be needed; please contact the certifying party.

Disclaimer: This Certificate provides restrictions for use of the specified product based only on those materials restricted by IFRA Standards for the toxicity endpoint(s) described in each Standard. This Certificate does not provide certification of a comprehensive safety assessment of all product constituents. This certificate is the responsibility of the fragrance supplier issuing it. It has not been prepared or endorsed by IFRA in any way.

OPTIONAL INFORMATION:**Product:** DEV-53106 B.ORANGE FRAGRANCE

Information about presence and concentration of fragrance ingredients subject to IFRA Standards in the fragrance mixture named above is as follows:

Materials under the scope of IFRA Standards:	CAS number(s):	Recommendation from IFRA Standard:	Concentration (%) in fragrance mixture or finished product:
1-(1,2,3,4,5,6,7,8 Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl) ethanone (OTNE)	54464-57-2		5.00
Cyclamen aldehyde	103-95-7	Specification: Cyclamen aldehyde should not contain more than 1.5% of Cyclamen alcohol.	0.43
Citronellol	106-22-9		1.00
Limonene	5989-27-5	Specification: Oxidation products of Limonene, especially hydroperoxides, have been demonstrated to be potent sensitizers. d-, l- and dl-Limonene and natural products containing substantial amounts of it, should only be used when the level of (hydro)peroxides is kept to the lowest practical level, for instance by adding antioxidants at the time of production. The addition of 0.1% BHT or α -Tocopherol for example has shown great efficiency. Such products should have a peroxide value of less than 20 millimoles per liter, determined according to the IFRA analytical method for the determination of the peroxide value, which can be downloaded from the IFRA website (www.ifrafragrance.org).	0.28

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Linalool	78-70-6	Specification: Oxidation products of Linalool, especially hydroperoxides, have been demonstrated to be potent sensitizers. d-, l- and dl-Linalool and natural products containing substantial amounts of it, should only be used when the level of (hydro)peroxides is kept to the lowest practical level, for instance by adding antioxidants at the time of production. The addition of 0.1% BHT or α-Tocopherol for example has shown great efficiency. Such products should have a peroxide value of less than 20 millimoles per liter, determined according to the IFRA analytical method for the determination of the peroxide value, which can be downloaded from the IFRA website (www.ifrafragrance.org).	2.90
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Date: 30 Apr 2024

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Annex: Definition of IFRA Standard categories by product type

Product type	Category
Products applied to the lips	1
Products applied to the axillae	2
Products applied to the face/body using fingertips	3
Products related to fine fragrance	4
Products applied to the face and body using the hands (palms), primarily leave-on:	
Body lotion products applied to the body using the hands (palms), primarily leave on	5A
Face moisturizer products applied to the face using the hands (palms), primarily leave on	5B
Hand cream products applied to the hands using the hands (palms), primarily leave on	5C
Baby creams, baby oils and baby talc	5D
Products with oral and lip exposure	6
Products applied to the hair with some hand contact:	
Rinse-off products applied to the hair with some hand contact	7A
Leave-on products applied to the hair with some hand contact	7B
Products with significant anogenital exposure	8

Annex: Definition of IFRA Standard categories by product type - continued

Product type	Category
Products with body and hand exposure, primarily rinse off	9
Household care products with mostly hand contact:	
Household care excluding aerosol products (excluding aerosol/spray products)	10A
Household aerosol/spray products	10B
Products with intended skin contact but minimal transfer of fragrance to skin from inert substrate:	
Products with intended skin contact but minimal transfer of fragrance to skin from inert substrate without UV exposure	11A
Products with intended skin contact but minimal transfer of fragrance to skin from inert substrate with potential UV exposure	11B
Products not intended for direct skin contact, minimal or insignificant transfer to skin	12



Allergen Analysis

Product: DEV-53106 B.ORANGE FRAGRANCE

Ingredient	CAS number(s):	Concentration present as a percentage (%) or "A" for absent
alpha-iso-Methylionone	127-51-5	A
Amyl Cinnamal	122-40-7	A
Amylcinnamyl Alcohol	101-85-9	A
Anise Alcohol	105-13-5	A
Benzyl Alcohol	100-51-6	A
Benzyl Benzoate	120-51-4	A
Benzyl Cinnamate	103-41-3	A
Benzyl Salicylate	118-58-1	A
Butylphenyl Methylpropional (Lilial)	80-54-6	A
Cinnamal	104-55-2	A
Cinnamyl Alcohol	104-54-1	A
Citral	106-26-3, 141-27-5, 5392-40-5	A
Citronellol	106-22-9, 1117-61-9, 141-25-3, 26489-01-0, 6812-78-8, 7540-51-4	1.00
Coumarin	91-64-5	A
Eugenol	97-53-0	A
Evernia Furfuraceae (Tree Moss) Extract	90028-67-4	A
Evernia Prunastri (Oak Moss) Extract	90028-68-5	A
Farnesol	106-28-5, 16106-95-9, 3790-71-4, 3879-60-5, 4602-84-0	A
Geraniol	106-24-1	A
Hexyl Cinnamal	101-86-0	A
Hydroxycitronellal	107-75-5	A
Isoeugenol	5932-68-3, 97-54-1	A
Limonene	138-86-3, 5989-27-5, 5989-54-8, 7705-14-8	0.28
Linalool	126-90-9, 126-91-0, 78-70-6	2.90
Methyl 2-Octynoate	111-12-6	A

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