



SAFETY DATA SHEET

CLP: REACH Regulation (EU) 2020/878

Printed on 11 Jun 2024

Code Number DEV-53104

Version 10 Revised 11/06/2024 09:49:29

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

1.1 Product Identifier

Product Name	BLACK MUSK FRAGRANCE
Code Number	DEV-53104
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 Sens. 1B;H317

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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Code Number DEV-53104

Version 10 Revised 11/06/2024 09:49:29

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

Hazard Pictograms



Signal Word Warning

Hazard Statements

H317 May cause an allergic skin reaction

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.

P501 Dispose of contents/container to approved disposal site, in accordance with local regulations.

2.3 Other Hazards

Contains alpha-iso-Methylionone, Benzyl Alcohol, Benzyl Benzoate, Benzyl Salicylate, Citronellol, Coumarin, Eugenol, Farnesol, Geraniol, Hexyl Cinnamal, Isoeugenol, 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

Hazardous components

ID Numbers	Chemical Name, Classification and Hazards	Conc. (%)	SCL / ATE / M-Factor

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Code Number

DEV-53104

Version 10 Revised 11/06/2024 09:49:29

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 101-86-0 EINECS 202-983-3 REACH	alpha-Hexyl cinnamic aldehyde (HCA) (2-Hexyl-phenyl-2-propenal) Skin Sens. 1B;H317,Aquatic Acute 1;H400,Aquatic Chronic 2;H411	>=1%,<3%	
CAS 32210-23-4 EINECS 250-954-9 REACH	Vertenex (4-tert.-Butyl cyclohexyl acetate) (PTBCHA) Skin Sens. 1B;H317	>=1%,<3%	
CAS 60-12-8 EINECS 200-456-2 REACH	Phenethyl alcohol (Phenyl ethyl alcohol) Acute Tox. 4;H302,Eye Irrit. 2;H319	>=1%,<3%	
CAS 140-11-4 EINECS 205-399-7 REACH	Benzyl acetate	>=1%,<3%	
CAS 118-58-1 EINECS 204-262-9 REACH	Benzyl salicylate Skin Sens. 1B;H317,Aquatic Acute 2;H401,Aquatic Chronic 2;H411	>=1%,<3%	
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	>=0.1%,<1%	
CAS 91-64-5 EINECS 202-086-7 REACH	1-Benzopyran-2-one (Coumarin) Acute Tox. 4;H302,Skin Sens. 1B;H317,Aquatic Chronic 3;H412	>=0.1%,<1%	LD50(oral): 500 mg/kg
CAS 127-41-3 EINECS 204-841-6 REACH	alpha-Ionone Skin Sens. 1B;H317,Aquatic Chronic 2;H411	>=0.1%,<1%	
CAS 84238-39-1 EINECS 282-493-4 REACH	Patchouli oil Asp. Tox. 1;H304,Skin Sens. 1B;H317,Aquatic Chronic 2;H411	>=0.1%,<1%	
CAS 110-41-8 EINECS 203-765-0 REACH	Aldehyde C-12 MNA (2-Methyl undecanal) Skin. Irrit. 2;H315,Skin Sens. 1B;H317,Aquatic Acute 1;H400,Aquatic Chronic 1;H410	>=0.1%,<1%	
CAS 87-20-7 EINECS 201-730-4 REACH	Isoamyl salicylate (Isopentyl salicylate) Skin Sens. 1;H317,Aquatic Acute 1;H400,Aquatic Chronic 3;H412	>=0.1%,<1%	
CAS 127-51-5 EINECS 204-846-3 REACH	alpha-iso-Methylionone (gamma-Methylionone) (Iraldiene-gamma) Skin. Irrit. 2;H315,Skin Sens. 1B;H317,Aquatic Chronic 2;H411	>=0.1%,<1%	

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

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Code Number DEV-53104

Version 10 Revised 11/06/2024 09:49:29

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

6.3 Methods and material for containment and cleaning up

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Code Number DEV-53104

Version 10 Revised 11/06/2024 09:49:29

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	

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

Hand protection

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Printed on 11 Jun 2024

Code Number DEV-53104

Version 10 Revised 11/06/2024 09:49:29

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

10.6 Hazardous decomposition products

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CLP: REACH Regulation (EU) 2020/878
Code Number DEV-53104
Version 10 Revised 11/06/2024 09:49:29

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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

1-Benzopyran-2-one (Coumarin) CAS:
91-64-5

LD50(oral): 500 mg/kg LD50(dermal): Not
applicable LC50(inhalation): Not applicable

Phenethyl alcohol (Phenyl ethyl alcohol)
CAS: 60-12-8

ATE(oral): 500 mg/kg LD50(dermal): Not
applicable LC50(inhalation): Not applicable

Basil oil (Methyl chavicol type) CAS:
8015-73-4

LD50(oral): 1300 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

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CLP: REACH Regulation (EU) 2020/878

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Version 10 Revised 11/06/2024 09:49:29

Information on likely routes of exposure

Symptoms related to the physical, chemical and toxicological characteristics

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

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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

14.1 UN number or ID number 3082

14.2 UN proper shipping name ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S. (CONTAINS
6-ACETYL-1,1,2,4,4,7-HEXAMETHYLTETRA
LINE)

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.

P501 Dispose of contents/container to approved disposal site, in accordance with local regulations.

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Version 10 Revised 11/06/2024 09:49:29

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
ATD 4	Acute toxicity, dermal, category 4
SCI 2	Skin corrosion/irritation, category 2
SS 1	Skin sensitisation, category 1
SS 1B	Skin sensitisation, category 1B
EDI 1	Eye damage/irritation, category 1
EDI 2	Eye damage/irritation, category 2
ATI 4	Acute toxicity, inhalation, category 4
MUT 2	Germ cell mutagenicity, category 2
CAR 2	Carcinogenicity, category 2
REP 2	Reproductive toxicity, category 2
EH A1	Aquatic hazard, acute, category 1
EH A2	Aquatic hazard, acute, category 2
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
H312	Harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H341	Suspected of causing genetic defects
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child
H400	Very toxic to aquatic life
H401	Toxic to aquatic life

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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-53104 BLACK MUSK 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	6.19
Category 3	35.60
Category 4	100.00
Category 5A	28.57
Category 5B	28.57
Category 5C	28.57
Category 5D	14.00
Category 6	0.00
Category 7A	63.16
Category 7B	63.16
Category 8	12.22
Category 9	100.00
Category 10A	94.74
Category 10B	100.00
Category 11A	14.00
Category 11B	14.00
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-53104 BLACK MUSK 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:
a-Bisabolol	515-69-5		0.00
Benzyl cyanide	140-29-4	Prohibition: Benzyl cyanide as such should not be used as fragrance ingredient. The natural extracts containing Benzyl cyanide should not be used as substitutes for this substance. Restriction: On the basis of established maximum concentration levels of this substance in commercially available natural sources (like essential oils and extracts), exposure to this substance from the use of these oils and extracts is not significant and the use of these oils is authorized as long as the level of Benzyl cyanide in the finished product does not exceed 0.01% (100 ppm).	0.00
Estragole	140-67-0		0.00
Farnesal	19317-11-4		0.00
Methyl eugenol	93-15-2		0.00
Ylang ylang extracts	8006-81-3		0.63

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Methyl ionone, mixed isomers	127-51-5	Restriction: The above limits apply to Methyl ionone isomers used individually or in combination. Specification: Pseudo methyl ionones (CAS numbers 26651-96-7, 72968-25-3, 1117-41-5) should not be used as fragrance ingredient as such. A level of up to 2% of Pseudo methyl ionones as an impurity in Methyl ionones is accepted.	0.63
Benzyl alcohol	100-51-6		0.00
Benzyl benzoate	120-51-4		0.04
Benzyl salicylate	118-58-1		1.52
Citronellol	106-22-9		0.88
Coumarin	91-64-5		0.25
Eugenol	97-53-0		0.09
Farnesol	4602-84-0	Specification: Farnesol should only be used as a fragrance ingredient if it contains a minimum of 96% of farnesol isomers as determined by GLC.	0.01
Geraniol	106-24-1		0.01
α -Hexyl cinnamic aldehyde	101-86-0		1.25
Isoeugenol	97-54-1		0.00

Date: 19 Mar 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-53104 BLACK MUSK FRAGRANCE

Ingredient	CAS number(s):	Concentration present as a percentage (%) or "A" for absent
alpha-iso-Methylionone	127-51-5	0.63
Amyl Cinnamal	122-40-7	A
Amylcinnamyl Alcohol	101-85-9	A
Anise Alcohol	105-13-5	A
Benzyl Alcohol	100-51-6	0.00
Benzyl Benzoate	120-51-4	0.04
Benzyl Cinnamate	103-41-3	A
Benzyl Salicylate	118-58-1	1.52
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	0.88
Coumarin	91-64-5	0.25
Eugenol	97-53-0	0.09
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	0.01
Geraniol	106-24-1	0.01
Hexyl Cinnamal	101-86-0	1.25
Hydroxycitronellal	107-75-5	A
Isoeugenol	5932-68-3, 97-54-1	0.00
Limonene	138-86-3, 5989-27-5, 5989-54-8, 7705-14-8	A
Linalool	126-90-9, 126-91-0, 78-70-6	A
Methyl 2-Octynoate	111-12-6	A

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