

Safety data sheet

according to 1907/2006/EC, Article 31

Version number 1

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

1.1 Product identifier

Product identification: Concentrated mixture of aromatic raw materials (fragrance)

Name: 4ALIEN - PRIME RANGE

1.2 Relevant identified uses of the mixture

Manufacturing use only. Not for personal use in this form or concentration

1.3 Details of the supplier of the safety data sheet

Company: Escentscia Limited

Address: 6 Pioneer Park, Clough Road, Hull. HU6 7HW UK.

e-mail: msds@escentscia.uk

website: www.escentscia.uk

Telephone: +44 (0)1482 332766

1.4 Emergency telephone number

Emergency telephone number: +44 (0)1482 332766

Opening hours: 09:00-16:00, Monday - Friday

Further information obtainable from: Technical Department

1.4 Emergency telephone number:

National Poisons Information Service

+44 121 507 4123

Members of the public seeking specific information on poisons should contact:

In England and Wales: NHS 111 - dial 111

In Scotland: NHS 24 - dial 111

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

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Skin Irrit. 2	H315 Causes skin irritation.
Eye Irrit. 2	H319 Causes serious eye irritation.
Skin Sens. 1	H317 May cause an allergic skin reaction.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the GB CLP regulation.

Hazard pictograms



GHS07



GHS09

Signal word Warning

Hazard-determining components of labelling:

benzyl salicylate
 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone
 6,7-Dihydro-1,1,2,3,3-pentamethyl-4(5H)-indanone
 3,7-Dimethyl-1,6-nonadien-3-ol
 hexyl salicylate
 Cyclamen aldehyde-methyl anthranilate (Schiff base)
 piperonal
 Coumarin
 geranyl acetate
 geraniol
 alpha-methyl-1,3-benzodioxole-5-propionaldehyde
 Cedrol methyl ether
 Acetic acid, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclododecatriene
 helional / methyl anthranilate schiff's base
 Isopropoxy ethyl salicylate
 dl-Citronellol
 6,6-Dimethylbicyclo[3.1.1]hept-2-ene-2-propionaldehyde
 2-Methyl-3-(p-isopropylphenyl)propionaldehyde

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4-tert-butylcyclohexyl acetate

indole

1-(2,6,6-Trimethylcyclohexa-1,3-dienyl)-2-buten-1-one

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection / face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****3.2 Chemical characterisation: Mixtures****Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

CAS: 118-58-1	benzyl salicylate	>10—<25%
EINECS: 204-262-9	⚠ Skin Sens. 1B, H317; Aquatic Chronic 3, H412	
CAS: 54464-57-2	1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone	>2.5—<10%
EINECS: 259-174-3	⚠ Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	
CAS: 33704-61-9	6,7-Dihydro-1,1,2,3,3-pentamethyl-4(5H)-indanone	>2.5—<10%
EINECS: 251-649-3	⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	
CAS: 10339-55-6	3,7-Dimethyl-1,6-nonadien-3-ol	>2.5—<10%
EINECS: 233-732-6	⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	
CAS: 65405-77-8	cis-3-Hexenyl salicylate	>2.5—≤10%
EINECS: 265-745-8	⚠ Aquatic Acute 1, H400	
CAS: 1222-05-5	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	>2.5—≤10%
EINECS: 214-946-9	⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
CAS: 6259-76-3	hexyl salicylate	≥1—<2.5%
EINECS: 228-408-6	⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Sens. 1, H317	

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CAS: 91-50-9	Cyclamen aldehyde-methyl anthranilate (Schiff base)	≥1–≤2.5%
EINECS: 202-072-0	⚠ Skin Sens. 1, H317	
CAS: 120-57-0	piperonal	≥1–≤2.5%
EINECS: 204-409-7	⚠ Skin Sens. 1, H317	
CAS: 91-64-5	Coumarin	≥1–<2.5%
EINECS: 202-086-7	⚠ Acute Tox. 4, H302; Skin Sens. 1B, H317; Aquatic Chronic 3, H412	
CAS: 103-05-9	2-Methyl-4-phenyl-2-butanol	<2.5%
EINECS: 203-074-4	⚠ Eye Irrit. 2, H319; Aquatic Chronic 3, H412	
CAS: 105-87-3	geranyl acetate	≥1–<2.5%
EINECS: 203-341-5	⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 3, H412	
CAS: 106-24-1	geraniol	≥1–≤2.5%
EINECS: 203-377-1	⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	
CAS: 121-33-5	vanillin	≤2.5%
EINECS: 204-465-2	⚠ Eye Irrit. 2, H319	
CAS: 1205-17-0	alpha-methyl-1,3-benzodioxole-5-propionaldehyde	≥1–<2.5%
EINECS: 214-881-6	⚠ Repr. 2, H361; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Sens. 1, H317	
CAS: 19870-74-7	Cedrol methyl ether	≥1–<2.5%
EINECS: 243-384-7	⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Sens. 1B, H317	
CAS: 144020-22-4	Acetic acid, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclododecatiene	≥1–<2.5%
ELINCS: 482-330-9	⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Sens. 1, H317	
CAS: 111753-60-7	helional / methyl anthranilate schiff's base	≥0.25–<1%
ELINCS: 483-290-5	⚠ Aquatic Chronic 2, H411; ⚠ Eye Irrit. 2, H319; Skin Sens. 1B, H317	
CAS: 2050-08-0	Amyl salicylate	≥0.25–<2.5%
EINECS: 218-080-2	⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302	
CAS: 79915-74-5	Isopropoxy ethyl salicylate	≥0.1–<1%
EINECS: 279-348-2	⚠ Acute Tox. 4, H302; Skin Sens. 1B, H317	
CAS: 106-22-9	dl-Citronellol	≥0.1–<1%
EINECS: 203-375-0	⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	
CAS: 33885-51-7	6,6-Dimethylbicyclo[3.1.1]hept-2-ene-2-propionaldehyde	≥0.25–<1%
EINECS: 251-717-2	⚠ Repr. 2, H361f; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	
CAS: 103-95-7	2-Methyl-3-(p-isopropylphenyl)propionaldehyde	≥0.1–<1%
EINECS: 203-161-7	⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 3, H412	
CAS: 32210-23-4	4-tert-butylcyclohexyl acetate	≥0.1–<1%
EINECS: 250-954-9	⚠ Skin Sens. 1, H317	
CAS: 120-72-9	indole	≥0.1–<1%
EINECS: 204-420-7	⚠ Acute Tox. 3, H311; ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Skin Sens. 1B, H317	
CAS: 23696-85-7	1-(2,6,6-Trimethylcyclohexa-1,3-dienyl)-2-buten-1-one	≥0.1–<0.25%
EINECS: 245-833-2	⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	
Regulation (EC) No 648/2004 on detergents / Labelling for contents		
perfumes (benzyl salicylate, coumarine, geraniol, citronellol, BENZYL BENZOATE)		

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Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

Immediately remove any clothing soiled by the product.

Take affected persons out into the fresh air.

After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Rinse opened eye for several minutes under running water.

After swallowing:

If symptoms persist consult doctor.

A person vomiting while laying on their back should be turned onto their side.

Seek immediate medical advice.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters

Protective equipment: No special measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Keep away from ignition sources.

Wear protective clothing.

6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

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Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep receptacles tightly sealed.

Store in cool, dry place in tightly closed receptacles.

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: Store in a cool location.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions:

Keep container tightly sealed.

Store receptacle in a well ventilated area.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:



Protective gloves

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The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Oily
Colour:	Yellow
Odour:	Characteristic
Odour threshold:	Not determined.
pH-value:	Mixture is non-soluble (in water).

Change in condition

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Undetermined.
Flash point:	> 70 °C
Flammability (solid, gas):	Not applicable.
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	Not determined.
Density:	Not determined.
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.

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Solubility in / Miscibility with water:

Insoluble.

alcohols: Partly soluble.

Partition coefficient: n-octanol/water: Not determined.

Viscosity:

Dynamic: Not determined.

Kinematic: Not determined.

Solvent content:

VOC (EC) 0.00 %

5.8 %

Solids content:

9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Oral LD50 29,300 mg/kg

CAS: 118-58-1 benzyl salicylate

Dermal LD50 14,150 mg/kg

Oral LD50 2,700 mg/kg

CAS: 91-64-5 Coumarin

Oral LD50 293 mg/kg

CAS: 121-33-5 vanillin

Oral LD50 1,580 mg/kg

CAS: 106-22-9 dl-Citronellol

Oral LD50 3,450 mg/kg

Dermal LD50 2,650 mg/kg

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CAS: 32210-23-4 4-tert-butylcyclohexyl acetate

Oral LD50 5,000 mg/kg

CAS: 120-72-9 indole

Oral LD50 1,000 mg/kg

Dermal LD50 790 mg/kg

Primary irritant effect:

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Additional toxicological information:**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

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.

SECTION 12: Ecological information**12.1 Toxicity**

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Ecotoxicological effects:

Remark: Toxic for fish

Additional ecological information:**General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

14.1 UN-Number

ADR, IMDG, IATA

UN3082

14.2 UN proper shipping name

ADR

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl) ethanone, 6,7-Dihydro-1,1,2,3,3-pentamethyl-4(5H)-indanone) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl) ethanone, 6,7-Dihydro-1,1,2,3,3-pentamethyl-4(5H)-indanone), MARINE POLLUTANT

IMDG

IATA

Environmentally hazardous substance, liquid, n.o.s. (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl) ethanone, 6,7-Dihydro-1,1,2,3,3-pentamethyl-4(5H)-indanone)

14.3 Transport hazard class(es)

ADR, IMDG, IATA



Class

9 Miscellaneous dangerous substances and articles.

Label

9

14.4 Packing group

ADR, IMDG, IATA

III

14.5 Environmental hazards:

Marine pollutant:

Symbol (fish and tree)

Special marking (ADR):

Symbol (fish and tree)

Special marking (IATA):

Symbol (fish and tree)

14.6 Special precautions for user

Warning: Miscellaneous dangerous substances and articles.

Hazard identification number (Kemler code):

90

EMS Number:

F-A,S-F

Stowage Category

A

14.7 Transport in bulk according to Annex II of Marpol and the

IBC Code

Not applicable.

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Transport/Additional information:

ADR

Limited quantities (LQ)

Excepted quantities (EQ)

5L

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

Transport category

Tunnel restriction code

3

(-)

IMDG

Limited quantities (LQ)

Excepted quantities (EQ)

5L

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

UN "Model Regulation":

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHALENYL)ETHANONE, 6,7-DIHYDRO-1,1,2,3,3-PENTAMETHYL-4(5H)-INDANONE), 9, III

SECTION 15: Regulatory information

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

Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the GB CLP regulation.

Hazard pictograms



GHS07

GHS09

Signal word Warning

Hazard-determining components of labelling:

benzyl salicylate

1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone

6,7-Dihydro-1,1,2,3,3-pentamethyl-4(5H)-indanone

3,7-Dimethyl-1,6-nonadien-3-ol

hexyl salicylate

Cyclamen aldehyde-methyl anthranilate (Schiff base)

piperonal

Coumarin

geranyl acetate

geraniol

alpha-methyl-1,3-benzodioxole-5-propionaldehyde

Cedrol methyl ether

Acetic acid, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclododecatriene

helional / methyl anthranilate schiff's base

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Isopropoxy ethyl salicylate
dl-Citronellol
6,6-Dimethylbicyclo[3.1.1]hept-2-ene-2-propionaldehyde
2-Methyl-3-(p-isopropylphenyl)propionaldehyde
4-tert-butylcyclohexyl acetate
indole
1-(2,6,6-Trimethylcyclohexa-1,3-dienyl)-2-buten-1-one

Hazard statements

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

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P273 Avoid release to the environment.
P280 Wear protective gloves / eye protection / face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

Seveso category E2 Hazardous to the Aquatic Environment

Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H302 Harmful if swallowed.
H311 Toxic 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.
H361 Suspected of damaging fertility or the unborn child.
H361f Suspected of damaging fertility.
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.

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H412 Harmful to aquatic life with long lasting effects.

Department issuing SDS: Technical Department

Contact:

Technical Department

msds@escentscia.uk

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 3: Acute toxicity – Category 3

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1B: Skin sensitisation – Category 1B

Repr. 2: Reproductive toxicity – Category 2

Repr. 2: Reproductive toxicity – Category 2

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3