

## SAFETY DATA SHEET

according to Regulation (EC) N° 1907/2006

### ANABAC BERRY

#### SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY/UNDERTAKING

##### 1.1. Product identifier

Sales reference: Anabac® Berry

Product code: 320600

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

Fragrance in soft gelatin capsule to be used as an autoclave deodorant during sterilization processes.

##### 1.3. Details of the supplier of the safety data sheet

INTERSCIENCE SARL

30, chemin du Bois des Arpents - 78860 Saint-Nom-la-Bretèche - FRANCE

Tel: +33 01 34 62 62 61

[info@interscience.com](mailto:info@interscience.com)

[www.interscience.com](http://www.interscience.com)

##### 1.4. Emergency telephone numbers

For European countries, please refer to ECHA website update:

<https://echa.europa.eu/fr/support/helpdesks/>

<https://poisoncentres.echa.europa.eu/fr/appointed-bodies>

[https://echa.europa.eu/documents/10162/2322249/emergency\\_phone\\_numbers\\_en.pdf/d911af43-4bcf-9371-a59d-a20736d91e7d?t=1628515444598](https://echa.europa.eu/documents/10162/2322249/emergency_phone_numbers_en.pdf/d911af43-4bcf-9371-a59d-a20736d91e7d?t=1628515444598)

For the rest of the world, refer to the WHO directory of poison information centres:

[https://apps.who.int/poisoncentres/PoisonCentres\\_201902.pdf](https://apps.who.int/poisoncentres/PoisonCentres_201902.pdf)

## List of Emergency numbers worldwide.

Country	Phone number	Website
Australia	+61 2 9845 3969 / 131126	
Austria	+43 1 406 43 43	<a href="https://goeg.at/Vergiftungsinformation">https://goeg.at/Vergiftungsinformation</a>
Belgium	+32 70 245 245	<a href="https://www.poisoncentre.be/">https://www.poisoncentre.be/</a>
Bulgaria	+359 2 9154 233	<a href="https://www.moew.government.bg/bg/prevantivna-dejnost/himichni-vestestva/klasifikaciya-clp/nacionalen-centur-po-toksikologiya/">https://www.moew.government.bg/bg/prevantivna-dejnost/himichni-vestestva/klasifikaciya-clp/nacionalen-centur-po-toksikologiya/</a>
Canada	1 800 268 9017 / 911	<a href="https://infopoison.ca/fr/">https://infopoison.ca/fr/</a>
China	+86 10 831 32 045 / 120	
Croatia	+3851 2348 342	<a href="https://www.imi.hr/hr/jedinica/centar-za-kontrolu-otrovanja/">https://www.imi.hr/hr/jedinica/centar-za-kontrolu-otrovanja/</a>
Cyprus	1401	<a href="http://www.mlsi.gov.cy/mlsi/dli/dliup.nsf/All/44E02FF962E75D0DC2257DDA00288E83?OpenDocument">http://www.mlsi.gov.cy/mlsi/dli/dliup.nsf/All/44E02FF962E75D0DC2257DDA00288E83?OpenDocument</a>
Czech Republic	+420 224 919 293 / +420 224 915 402	<a href="https://www.cenia.cz/odborna-podpora/reach/bezpecnostni-listy/&lt;">https://www.cenia.cz/odborna-podpora/reach/bezpecnostni-listy/&lt;</a>
Denmark	+45 8212 1212	<a href="https://www.bispebjerghospital.dk/giftlinjen/Sider/default.aspx">https://www.bispebjerghospital.dk/giftlinjen/Sider/default.aspx</a>
Estonia	16662	<a href="https://www.terviseamet.ee/en/chemical-and-product-safety/data-for-safety-data-sheet">https://www.terviseamet.ee/en/chemical-and-product-safety/data-for-safety-data-sheet</a>
Finland	800 147 111 / 09 471 977	<a href="https://www.hus.fi/en/medical-care/medical-services/Poison%20Information%20Centre/Pages/default.aspx">https://www.hus.fi/en/medical-care/medical-services/Poison%20Information%20Centre/Pages/default.aspx</a>
France	01 45 42 59 59	<a href="https://reach-info.ineris.fr/Numero_orfila">https://reach-info.ineris.fr/Numero_orfila</a>
Germany	+49 30 3068 6711 / 112	<a href="https://www.reach-clp-biozid-helpdesk.de/DE/REACH/Sicherheitsdatenblatt/Sicherheitsdatenblatt-EN/Emergency-Telephone-number.html">https://www.reach-clp-biozid-helpdesk.de/DE/REACH/Sicherheitsdatenblatt/Sicherheitsdatenblatt-EN/Emergency-Telephone-number.html</a>
Greece	+30 21 07 79 37 77	<a href="https://echa.europa.eu/documents/10162/23019181/poison_info_centre_en.pdf/58b0f281-a6f8-4362-a0b9-faad57c7fcff">https://echa.europa.eu/documents/10162/23019181/poison_info_centre_en.pdf/58b0f281-a6f8-4362-a0b9-faad57c7fcff</a>
Hungary	+36 80 201 199	<a href="https://www.nnk.gov.hu/index.php/kemiai-biztonsagi-es-kompetens-hatosagi-fo/egeszsegugyi-toxikologiai-tajekoztato-szolgalat">https://www.nnk.gov.hu/index.php/kemiai-biztonsagi-es-kompetens-hatosagi-fo/egeszsegugyi-toxikologiai-tajekoztato-szolgalat</a>
Iceland	+354 543 22 22 / +354 543 1000 / 112	<a href="http://www.landspitali.is/?PageID=14556">http://www.landspitali.is/?PageID=14556</a>

Country	Phone number	Website
India	+91 112 659 36 77 / 112	<a href="https://www.secourisme.net/spip.php?breve443">https://www.secourisme.net/spip.php?breve443</a>
Ireland	+353 1 809 2166 / 01 809 2166 (8am - 10pm) / 01 809 2566 (24/7)	<a href="https://www.poisons.ie/">https://www.poisons.ie/</a>
Israel	+972 485 42 725 / 04-7771900 (24/7) / 101	<a href="https://www.rambam.org.il/en/departmentsandclinics/laboratories-division/clinical-pharmacology-and-toxicology/national-center-for-the-treatment-of-poisoning/">https://www.rambam.org.il/en/departmentsandclinics/laboratories-division/clinical-pharmacology-and-toxicology/national-center-for-the-treatment-of-poisoning/</a>
Italy	+39 06 301 54 492 / +39 06 305 4343 / +39 06 499 78 000 / 118	<a href="https://preparatipericolosi.iss.it/cav.aspx">https://preparatipericolosi.iss.it/cav.aspx</a>
Japan	+81 72 727 2499 / +81 29 852 9999 / 119	<a href="https://mediv8.com/poisons-information/japan-poison-information-center-head-office/">https://mediv8.com/poisons-information/japan-poison-information-center-head-office/</a>
Latvia	+371 670 42473	<a href="https://www.meteo.lv/en/lapas/environment/chemical-substances-/reach/reach_en?&amp;id=1483&amp;nid=410">https://www.meteo.lv/en/lapas/environment/chemical-substances-/reach/reach_en?&amp;id=1483&amp;nid=410</a>
Lithuania	+370 85 236 2052	<a href="http://www.apsinuodijau.lt/">http://www.apsinuodijau.lt/</a>
Luxembourg	+352 8002 5500	<a href="https://www.centreatipoisons.be/entreprises/english/how-declare/declarations-grand-duchy-Luxembourg">https://www.centreatipoisons.be/entreprises/english/how-declare/declarations-grand-duchy-Luxembourg</a>
Malta	+356 234 41 111	<a href="https://deputyprimeminister.gov.mt/en/Pages/Contact-Us.aspx">https://deputyprimeminister.gov.mt/en/Pages/Contact-Us.aspx</a>
Norway	+47 22 59 13 00	<a href="https://helsenorge.no/Giftinformasjon">https://helsenorge.no/Giftinformasjon</a>
Poland	+48 (12) 411 99 99	
Portugal	+351 800 250 250	<a href="https://www.inem.pt/category/servicos/centro-de-informacao-antivenenos/">https://www.inem.pt/category/servicos/centro-de-informacao-antivenenos/</a>
Romania	+40 213 183 606	
Russia	+7 495 628 1687 / 112 / 103	<a href="https://www.petitfute.com/v51044-moscou/c1172-pense-fute-services/c1136-sante/c876-urgence/">https://www.petitfute.com/v51044-moscou/c1172-pense-fute-services/c1136-sante/c876-urgence/</a>
Saudi Arabia	800 442 628 1687 / 937	
Slovakia	+421 2 5477 4166	<a href="http://www.ntic.sk/ntic_en.php?adr=safetydata">http://www.ntic.sk/ntic_en.php?adr=safetydata</a>
Slovenia	+386 1 522 1293 / +386 1 434 7645 / 112	
South Africa	+27 086 155 5777 / +27 824 910 160 / 999	

Country	Phone number	Website
South Korea	+82 (0)42 605 7030 / +82 (0)43 830 4000 / (+82-)119	<a href="https://nics.me.go.kr/">https://nics.me.go.kr/</a>  <a href="https://nics.me.go.kr/eng/main.do">https://nics.me.go.kr/eng/main.do</a>
Spain	+34 91 562 04 20	<a href="https://www.miteco.gob.es/es/calidad-y-evaluacion-ambiental/temas/productos-quimicos/portal-reach-clp/novedades/detalle_novedades.aspx?id=tcm:30-193752-16">https://www.miteco.gob.es/es/calidad-y-evaluacion-ambiental/temas/productos-quimicos/portal-reach-clp/novedades/detalle_novedades.aspx?id=tcm:30-193752-16</a>
Sweden	+46 (0)10 456 6700 / +46 (0)10 456 6750 / 112	
Switzerland	+41 44 251 51 51 / 145 (24/24)	<a href="https://www.vaudfamille.ch/N241017/tox-info-suisse-urgence-145-24h24h.html">https://www.vaudfamille.ch/N241017/tox-info-suisse-urgence-145-24h24h.html</a>
Thailand	+66 (0)220 11084-6 / +66 2 419 9912 / 191 / 1669	<a href="https://ogocare.com/1669-and-191-emergency-numbers-to-call-in-thailand/">https://ogocare.com/1669-and-191-emergency-numbers-to-call-in-thailand/</a>
The Netherlands	+31 30 274 88 88	<a href="https://www.umcutrecht.nl/nl/Subsites-nl/Nationaal-Vergiftigingen-Informatie-Centrum-(NVIC)/Productinformatie/Informationsheet-product-notification">https://www.umcutrecht.nl/nl/Subsites-nl/Nationaal-Vergiftigingen-Informatie-Centrum-(NVIC)/Productinformatie/Informationsheet-product-notification</a>
Turkey	+90 0312 433 70 07 / 112 / <b>114</b>	<a href="https://www.istanbulaccueil.net/les-numeros-durgence/">https://www.istanbulaccueil.net/les-numeros-durgence/</a>
United Arab Emirates	800 424 / 998	
United Kingdom	+44 844 892 0111 / 999 / 111	<a href="https://www.toxbase.org/">https://www.toxbase.org/</a>
United States of America	+1 800 222 122 / 911	<a href="https://www.poison.org/">https://www.poison.org/</a>

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

#### Classification according to regulation (EC) N° 1272/2008.

(Aquatic Chronic 3) H412 Harmful to aquatic life with long lasting effects.

### 2.2. Label elements

#### Labelling according to regulation (EC) N° 1272/2008.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements :

P102 Keep out of reach of children.

P273 et P501 Avoid release to the environment and Dispose of contents/container to an approved waste disposal plant.

EUH 208 : Contains :

77-83-8 : ethyl 2,3-epoxy-3-phenylbutyrate

916887-53-1 : cyclohexylidene-o-tolyl-acetonitrile

1655500-83-6 : (1-methyl-2-(5-methylhex-4-en-2-yl)cyclopropyl)methanol

68039-49-6 : 2,4-dimethylcyclohex-3-ene-1-carbaldehyde

57378-68-4 : 1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-2-buten-1-one

May produce an allergic reaction

### 2.3. Other hazards

Hazards not otherwise classified : none.

This substance/mixture does not contain any ingredients considered to be persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3. COMPOSITION/INFORMATIONS ON INGREDIENTS

### 3.1. Substances

Not applicable.

### 3.2. Mixtures

#### Hazardous components

(classification according to regulation (EC) N° 1272/2008 [CLP])

Chemical name	CAS_No EC_No Registration number	Classification (Regulation (EC) No 1272/2008)	Concentration (Percent by weight)
Phenethyl alcohol	60-12-8 200-456-2 01-2119963921-31	Acute Tox 4, H302 Eye Irrit. 2, H319	>= 1 - < 5
Benzyl acetate	140-11-4 205-399-7 01-2119638272-42	Aquatic Chronic 3, H412	>= 2,5 - < 5
decanal	112-31-2 203-957-4 01-2119967771-26	Eye Irrit. 2, H319 Aquatic Chronic 3, H412	>= 2,5 - < 5
2,6-dimethyl-7-octen-2-ol	18479-58-8 242-362-4 01-2119457274-37	Skin Irrit. 2, H315 Eye Irrit. 2, H319	>= 1 - < 5
2-methylpropyl 2-hydroxybenzoate	87-19-4 201-729-9	Acute Tox 4, H302 Aquatic Acute 1, H400 Aquatic Chronic 2, H411	>= 1 - < 2,5
4-(2,6,6-Trimethylcyclohex-1-en-1-yl)but-3-en-2-one (= ionone beta)	14901-07-6 238-969-9 01-2119449921-34	Aquatic Chronic 2, H411	>= 1 - < 2,5
ethyl 2,3-epoxy-3-phenylbutyrate	77-83-8 201-061-8 01-2119967770-28	Skin Sens. 1B, H317' Aquatic Chronic 2, H411	>= 0,25 - < 1
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	68039-49-6 943-728-2 01-2119982384-28	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411	>= 0,25 - < 1
cyclohexylidene-o-tolyl-acetonitrile	916887-53-1 482-300-5 01-0000020170-87	Skin Sens. 1B, H317' Aquatic Chronic 2, H411 Stot Re 2, H373	>= 0,25 - < 1
(1-methyl-2-(5-methylhex-4-en-2-yl)cyclopropyl)methanol	1655500-83-6 942-597-9 01-2120094067-52	Acute Tox 4, H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317' Aquatic Chronic 2, H411	>= 0,1 - < 0,25
1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-2-buten-1-one	57378-68-4 260-709-8 01-2119535122-53	Acute Tox 4, H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	>= 0,025 - < 0,1

For the full text of the H-statements mentioned in this Section see Section 16.

## SECTION 4. FIRST AIDS MEASURES

### 4.1. Description of first aid measures

General advice :

Do not leave victim unattended.

If inhaled : if the victim is unconscious, place in recovery position and seek medical advice.

If symptoms persist, call a physician.

In case of skin contact : take off contaminated clothing and shoes immediately.

If on skin, rinse well with water.

In case of eye contact : remove contact lenses.

Immediately flush eyes for at least 15 minutes. Get medical attention.

If swallowed : keep respiratory tract clear.

Don't give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms : no data available.

Risks : no data available.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treatment : no data available.

## SECTION 5. FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Suitable extinguishing media :

-Dry chemical

-Alcohol-resistant foam

-Carbon dioxide (CO<sub>2</sub>)

-Water spray.

## Unsuitable extinguishing media :

-High-volume water jet.

### 5.2. Special hazards arising from the substance or mixture

Specific hazards during fire-fighting: do not allow run-off from fire fighting to enter drains or water courses.

### 5.3. Advice for firefighters

Special protective equipment for firefighters :

Wear self-contained breathing apparatus for firefighting, if necessary.

Additional information: Standard procedure for chemical fires.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : no data available.

### 6.2. Environmental precautions

Environmental precautions : prevent product from entering drains.

If the product contaminates rivers and lakes or drains, inform respective authorities.

### 6.3. Methods and materials for containment and cleaning up

Methods for cleaning up: wipe up with absorbent material (e.g. cloth, fleece).

Keep in suitable, closed containers for disposal.

### 6.4. Reference to other sections

Not applicable

## SECTION 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Advices on safe handling : for personal protection see section 8.

Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against fire and explosion: normal measures for preventive fire protection.



Temperature class : no data available.

Fire class : no data available.

Dust explosion class : no data available.

## 7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers: electrical installations and equipment must comply with the technological safety standards.

Additional information on storage conditions: Ambient / 10-30°C (50-85°F).

Dry, well ventilated, preferably full, hermetically sealed.

Advice on common storage: Protect against light and humidity.

Storage class (Germany): no data available.

Other information : no decomposition if the product is stored and applied as directed.

## 7.3. Specific end use(s)

Specific use(s): no data available.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Does not contain substances with occupational exposure limit values.

#### DNEL 112-31-2 :

##### End use: Workers

Route of exposure: Inhalation

Potential health effects: Long term - systemic effects

Value: 24.86 mg/m<sup>3</sup>

End use: Workers

Route of Entry: Inhalation

Potential Health Effects: Acute - systemic effects

Value: 49.71 mg/m<sup>3</sup>

End use: Workers

Route of Entry: Inhalation

Potential Health Effects: Long term - local effects

Value: 62.14 mg/m<sup>3</sup>

End use: Workers

Route of Entry: Inhalation  
Potential health effects: Acute - local effects  
Value: 124.3 mg/m<sup>3</sup>

End use: Workers  
Route of Entry: Dermal  
Potential health effects: Long term - systemic effects  
Value: 7.05 mg/kg bw/day

End Use: Workers  
Route of Entry: Dermal  
Potential Health Effects: Acute - systemic effects  
Value: 14.1 mg/kg bw/day

End Use: Workers  
Route of Entry: Dermal  
Potential Health Effects: Long term - local effects  
Value: 17.62 mg/cm<sup>2</sup>

End Use: Workers  
Route of Entry: Dermal  
Potential health effects: Acute - local effects  
Value: 35.24 mg/cm<sup>2</sup>

**End use: Consumer use**  
Route of Entry: Inhalation  
Potential Health Effects: Long term - systemic effects  
Value: 6.13 mg/m<sup>3</sup>

End use: Consumer use  
Route of Entry: Inhalation  
Potential Health Effects: Acute - systemic effects  
Value: 12.26 mg/m<sup>3</sup>

End use: Consumer use  
Route of Entry: Inhalation  
Potential Health Effects: Long term - local effects  
Value: 15.32 mg/m<sup>3</sup>

End use: Consumer use  
Route of Entry: Inhalation  
Potential Health Effects: Acute - local effects  
Value: 30.65 mg/m<sup>3</sup>

End use: Consumer use  
Route of Entry: Dermal  
Potential Health Effects: Long term - systemic effects  
Value: 3.52 mg/kg bw/day

End Use: Consumer use  
Route of Entry: Dermal  
Potential Health Effects: Acute - systemic effects  
Value: 7.05 mg/kg bw/day

End Use: Consumer use  
Route of Entry: Dermal  
Potential Health Effects: Long term - local effects  
Value: 8.81 mg/cm<sup>2</sup>

End Use: Consumer use  
Route of Entry: Dermal  
Potential Health Effects: Acute - local effects  
Value: 17.62 mg/cm<sup>2</sup>

End use: Consumer use  
Route of Entry: Oral  
Potential Health Effects: Long term - systemic effects  
Value: 3.52 mg/kg bw/day

## **PNEC**

**112-31-2:** Freshwater  
Value: 0.00117 mg/l

Freshwater sediment  
Value: 0.097 mg/kg dry weight (d.w.)

Seawater  
Value: 0.000117 mg/l

Marine sediment  
Value: 0.00972 mg/kg dry weight (d.w.)

Sewage treatment plant  
Value: 3.16 mg/l

Soil  
Value: 0.019 mg/kg dry weight (d.w.)

## 8.2. Exposure controls

### Personal protective equipment

#### Respiratory protection

Use only in well ventilated areas.

#### Hand protection

Use gloves when handling substances in open systems. Inspect gloves prior to use. Train operators for proper use.

If accidental exposure is expected : (work without direct contact to substance) use gloves tested according to EN 16523-1, 1 breakthrough times at least 10 minutes, tested for the chemicals listed in chapter 3 of this SDS. Change gloves frequently.

If direct skin contact is expected: use gloves tested according to EN 16523-1, tested for the chemicals listed in chapter 3 of this SDS. Permeation time must exceed contact time.

#### Eye protection

Use tightly fitting safety glasses according to EN 166.

#### Skin and body protection

Wear working clothes covering arms and legs.

### Hygiene measures and general protective measures

Do not eat, drink or smoke during work.

Wash and dry your hands after finishing work.

Exposure assessment : exposure is dependent on the product being handled, the potential for chemical release and any resulting airborne concentrations or dermal contact. As handling and release scenarios vary and differ from one workplace to another, it is recommended that the potential for exposure be assessed prior to the product's use or introduction. Exposure assessments should be performed by an occupational hygienist or industrial hygienist or other qualified occupational or environmental health professional. An exposure assessment should be conducted to determine the effectiveness of any ventilation and the need for additional respiratory protection. PPE is always the last resort to avoid exposure. In any case, technical and organisational measures have to be explored and used before PPE is selected. The PPE selection is for operators trained to work with chemicals according to good industrial hygiene and safety practice. Operators have to be trained and used to PPE handling.

Prevent product from entering drains.

If the product contaminates rivers and lakes or drains, inform the respective authorities.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Physical state: Liquid in a gelatin capsule.

Colour of liquid: colourless to very slightly yellow.

Taste: not determined.

Odour: Fruity, Floral, Green.

Odour threshold: not applicable.

Flash point: 81 °C. Method: Grabner miniflash closed cup.

Explosive limit, lower: not determined.

Explosive limit, upper: not determined.

Flammability (solid, gas): not applicable.

Oxidizing properties: no data available.

Auto-ignition temperature: not determined.

Decomposition temperature: not available.

pH: not determined.

Melting point: not determined.

Boiling point: not determined.

Vapour pressure: 0.4549 hPa at 20 °C calculated (99.3 %).

Density: 1005.18 kg/m<sup>3</sup> at 20°C.

Bulk density : not applicable.

Water solubility: soluble gelatin capsule (wet heat).

Partition coefficient noctanol/water: not applicable.

Viscosity, kinematic: not available.

Relative vapour density: not available.

Evaporation rate: no data available.

Explosive properties: no data available.

### 9.2. Other information

Not applicable

## SECTION 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

None

### 10.2. Chemical stability

This product is chemically stable.

### 10.3. Possibility of hazardous reactions

Hazardous reactions: stable under recommended storage conditions. No hazards to be specially mentioned.

#### 10.4. Conditions to avoid

Protect from humidity.

#### 10.5. Incompatible materials

No data available.

#### 10.6. Hazardous decomposition products

No data available.

Thermal decomposition: no data available.

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Sub-section	comment	LD	Species
Acute oral toxicity	Estimated acute toxicity Dose: > 2000 mg/kg Method: Calculation method		
Acute oral toxicity	2-phenylethanol	LD50: 1 790 mg/kg	Species: Rat
	Benzyl acetate	LD50: 2 490 mg/kg	Species: Rat
	decanal	LD50: > 33 320 mg/kg	Species: Rat
	2,6-dimethyl-7-octen-2-ol	LD50: 3 600 mg/kg	Species: Rat
	2-methylpropyl 2-hydroxybenzoate	LD50: 1 560 mg/kg	Species: Rat
	ethyl 2,3-epoxy-3-phenylbutyrate	LD50: > 5 000 mg/kg	Species: Rat
	(1-methyl-2-(5-methylhex-4-en-2-yl)cyclopropyl)methanol	LD50: > 2 000 mg/kg	Species: Rat
	1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-2-buten-1-one	LD50: 1 821 mg/kg	Species: Mouse

Acute inhalation toxicity	No data is available on the product itself.		
Acute dermal toxicity	No data is available on the product itself.		
Acute dermal toxicity	decanal	LD50: 4 173 mg/kg	Species: Rabbit
	2-methylpropyl 2-hydroxybenzoate	LD50: > 5 000 mg/kg	Species: Rabbit
	ethyl 2,3-epoxy-3-phenylbutyrate	LD50: > 5 000 mg/kg	Species: Rabbit
	2,4-dimethylcyclohex-3-ene- 1-carbaldehyde	LD50: 5 000 mg/kg	Species: Rabbit
	(1-methyl-2-(5-methylhex-4-en-2-yl)cyclopropyl)methanol	LD50: > 1 000 mg/kg	Species: Rat
Acute toxicity (other routes of administration)	No data is available on the product itself.		
Skin corrosion/skin irritation	Skin irritation - No data is available on the product itself.		
Serious eye damage/eye irritation	Eye irritation - No data is available on the product itself.		
Respiratory or skin sensitisation	No data is available on the product itself.		
Germ-cell mutagenicity	No data is available on the product itself.		
Carcinogenicity	No data is available on the product itself.		
Reproductive toxicity	No data is available on the product itself.		
Target Organ Systemic Toxicant - Single exposure	No data is available on the product itself.		
Target Organ Systemic Toxicant - Repeated exposure	No data is available on the product itself.		

Aspiration hazard	No data is available on the product itself.		
Phototoxicity	No data is available on the product itself.		
Additional information	No data available		

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1. Ecotoxicity

Toxicity to fish: no data available.

Toxicity to Daphnia and other aquatic invertebrates: no data available.

Toxicity to algae: no data available.

M-factor 2-methylpropyl 2-hydroxybenzoate : 1

M-factor 2,4-dimethylcyclohex-3-ene-1-carbaldehyde: 1

M-factor cyclohexylidene-o-tolyl-acetonitrile: 1

M-factor 1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-2-buten-1-one: 1

Toxicity to bacteria : no data available.

Toxicity to fish (chronic toxicity) : no data available.

Toxicity to Daphnia and other aquatic invertebrates (chronic toxicity) : no data available.

Short-term (acute) hazard to the aquatic environment: no data available.

Long-term (chronic) hazard to the aquatic environment: no data available.

Toxicological data on soils: no data available.

Other important organisms for the environment: no data available.

### 12.2. Persistence et degradability

Biodegradability: no data available.

cyclohexylidene-o-tolylacetonitrile - Result: not readily biodegradable.

### 12.3. Bioaccumulative potential

Bioaccumulation: no data available.

### 12.4. Mobility in soil

Mobility: the product is soluble in water. Very mobile in soils.

Physico-chemical elimination: no data available.

### 12.5. Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.



Other adverse effects

Biochemical Oxygen Demand (BOD) : no data available

Dissolved Organic Carbon (DOC) : no data available

Chemical Oxygen Demand (COD) : no data available

Adsorbed Organic Bound Halogens (AOX) : no data available

Additional ecological information : an environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

Dispose of in accordance with local regulations.

## SECTION 14. TRANSPORT INFORMATION

### 14.1. UN number

N/A

### 14.2. UN proper shipping name

Not regulated as a dangerous good.

### 14.3. Transport hazard class(es)

N/A

### 14.4. Packing group

N/A

### 14.5. Environmental hazards

N/A

### 14.6. Special precautions for user

IMDG segregation group code: none.

### 14.7. Transport in bulk according to Annex II of Marpol convention and the IBC Code

Not applicable for the product as supplied.

## SECTION 15. REGULATORY INFORMATION

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

Regulation on major accident hazards (regulation on classified installations: not applicable.

Water contamination class (Germany): WGK 2 significant water hazard.

Classification according to AwSV, Annex 1 (5.2).

### 15.2. Chemical safety assessment

A chemical safety assessment is not required for this substance.

## SECTION 16. OTHER INFORMATION

H302 : Harmful if swallowed.

H312 : Harmful in contact with skin.

H315 : Causes skin irritation.

H317 : May cause an allergic skin reaction.

H319 : Causes serious eye irritation.

H373 : May cause damage to organs through prolonged or repeated exposure if swallowed.

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.

### Key or legend to abbreviations and acronyms used in the safety data sheet

ADN – European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways;

ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road;

AICS – Australian Inventory of Chemical Substances;

ASTM – American Society for the Testing of Materials;

b.w. – Body Weight;

CLP – Classification Labelling Packaging Regulation;

CMR – Carcinogen, Mutagen or Reproductive Toxicant;

DIN – Standard of the German Institute for Standardisation;

DNEL – Derived No Effect Level;

DSL – Domestic Substances List (Canada);

ECHA – European CHemicals Agency;

EC Number – European Community Number;

ECx – Concentration associated with x% response;  
ELx – Loading rate associated with x% response;  
EmS – Emergency Schedule;  
ENCS – Existing and New Chemical Substances (Japan);  
ErCx – Concentration associated with x% growth rate response;  
GHS – Globally Harmonized System;  
GLP – Good Laboratory Practice;  
IARC – International Agency for Research on Cancer;  
IATA – International Air Transport Association;  
IBC – International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk;  
IC50 – Half maximal Inhibitory Concentration;  
ICAO – International Civil Aviation Organization (« OACI » in French);  
IECSC – Inventory of Existing Chemical Substances in China;  
IMDG – International Maritime Dangerous Goods;  
IMO – International Maritime Organization;  
ISHL – Industrial Safety and Health Law (Japan);  
ISO – International Organisation for Standardization;  
KECI – Korea Existing Chemicals Inventory;  
LC50 – Lethal Concentration to 50% of a test population,  
LD50 – Lethal Dose to 50% of a test population (median lethal dose);  
MARPOL – International Convention for the Prevention of Pollution from Ships;  
n.o.s – Not Otherwise Specified;  
NO(A)EC – No Observed (Adverse) Effect Concentration;  
NO(A)EL – No Observed (Adverse) Effect Level;  
NOELR – No Observable Effect Loading Rate;  
NZIoC – New-Zealand Inventory of Chemicals;  
OECD – Organization for Economic Co-operation and Development;;  
OPPTS – Office of Chemical Safety and Pollution Prevention;  
PBT – Persistent, Bioaccumulative and Toxic substance;  
PNEC – Predictive No Effect Concentration;  
PICCS – Philippines Inventory of Chemicals and Chemical Substances;  
(Q)SAR – (Quantitative) Structure Activity Relationship;  
REACH – Regulation (EC) N° 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals;  
RID – Regulation concerning the International Carriage of Dangerous Goods by Rail;  
SADT – Self-Accelerating Decomposition Temperature;  
SDS – Safety Data Sheet;  
SVHC – Substance of Very High Concern;  
STEL – Short Term Exposure Limit;  
TCSI – Taiwan Chemical Substance Inventory;  
TMP – Table of Professional Diseases (« Tableau des Maladies Professionnelles » in French) ;  
TRGS – Technical Rule for Hazardous Substances;  
TSCA – Toxic Substances Control Act (USA);  
TWA – Time Weighted Averages;  
UFI – Unique Formula Identifier;  
UN – United Nations;  
VLE – Exposure Limit Value (ELV) (« Valeur Limite d'Exposition » in French);  
VME – Exposure Average Value (« Valeur Moyenne d'Exposition » in French);  
vPvB – Very Persistent and Very Bioaccumulative;  
WGK – Water Hazard Class (« Wassergefährdungsklasse » in German).

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification.

The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Information displayed in section 3 (Composition/information on ingredients) is additional information to understand the hazards of the product and ensure safe handling, storage and transportation. This information, including CAS numbers, is not meant to be used for registration, notification or any other purposes. Any additional information and documentation needed may be provided by Interscience.

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