

## SAFETY DATA SHEET

# BEISSIER CHAMELEON SPRAY

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

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

Trade name BEISSIER CHAMELEON SPRAY

Unique Formula Identifier (UFI) 3GF1-K0GW-6003-NXKP

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

Coating

Uses advised against This information is not available.

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

Beissier S.A.U.  
Txirrita Maleo, 14  
20 100 Errentería (Guipúzcoa)  
Phone: +34 943 344 070  
Fax: +34 943 517 802

E-mail address of person responsible for the SDS European Union beissier.laboratorio@beissier.es

#### 1.4 Emergency telephone number European Union

Phone: +44 (0)1235 239 670

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Aerosols, Category 1

H222: Extremely flammable aerosol.

H229: Pressurised container: May burst if heated.

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Eye irritation, Category 2	H319: Causes serious eye irritation.
Specific target organ toxicity - single exposure, Category 3, Central nervous system	H336: May cause drowsiness or dizziness.
Long-term (chronic) aquatic hazard, Category 2	H411: Toxic to aquatic life with long lasting effects.

## 2.2 Label elements

### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal word	:	Danger
Hazard statements	:	H222 Extremely flammable aerosol. H229 Pressurised container: May burst if heated. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects.
Supplemental Hazard Statements		EUH066 Repeated exposure may cause skin dryness or cracking.
Precautionary statements	:	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. <b>Prevention:</b> P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 Do not spray on an open flame or other ignition source. P251 Do not pierce or burn, even after use. <b>Response:</b> P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. <b>Storage:</b> P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. <b>Disposal:</b> P501 Contents/container to be disposed of through approved disposal contractor or taken to municipal collection point.

### Hazardous components which must be listed on the label:

acetone

Hydrocarbons, C9, aromatics

### Additional Labelling

EUH208 Contains Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate, phthalic anhydride. May produce an allergic reaction.

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EUH211

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

## 2.3 Other hazards

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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
acetone	67-64-1 200-662-2 606-001-00-8 01-2119471330-49-XXXX	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 EUH066	≥ 25 - < 50
propane	74-98-6 200-827-9 601-003-00-5 01-2119486944-21-XXXX	Flam. Gas 1; H220 Press. GasH280	≥ 10 - ≤ 12,5
butane (containing < 0.1% butadiene (203-450-8))	106-97-8 203-448-7 601-004-01-8 01-2119474691-32-XXXX	Flam. Gas 1; H220 Press. GasH280	≥ 5 - ≤ 10
Hydrocarbons, C9, aromatics	64742-95-6  649-356-00-4 01-2119455851-35-XXXX	Asp. Tox. 1; H304 Flam. Liq. 3; H226 STOT SE 3; H335, H336 Aquatic Chronic 2; H411  EUH066	≥ 5 - < 10
titanium dioxide	13463-67-7 236-675-5 01-2119489379-17-XXXX	Carc. 2; H351, Note V, Note W, Note 10	≥ 1 - < 10
2-methoxy-1-methylethyl acetate	108-65-6 203-603-9 607-195-00-7 01-2119475791-29-XXXX	Flam. Liq. 3; H226 STOT SE 3; H336	≥ 2,5 - < 5

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isobutane	75-28-5 200-857-2 601-004-01-8 01-2119485395-27-XXXX	Flam. Gas 1; H220 Press. GasH280	≥ 2,5 - ≤ 5
xylene	1330-20-7 215-535-7 601-022-00-9 01-2119488216-32-XXXX	Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 STOT RE 2; H373 Asp. Tox. 1; H304	≥ 2,5 - < 5
trizinc bis(orthophosphate)	7779-90-0 231-944-3 030-011-00-6 01-2119485044-40-XXXX	Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	< 2,5
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-48-9  649-327-00-6 01-2119457273-39-XXXX	Asp. Tox. 1; H304  EUH066	≥ 1 - < 2,5
zinc oxide	1314-13-2 215-222-5 030-013-00-7 01-2119463881-32-XXXX	Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	< 0,5
phthalic anhydride	85-44-9 201-607-5 607-009-00-4 01-2119457017-41-XXXX	Acute Tox. 4; H302 STOT SE 3; H335 Skin Irrit. 2; H315 Eye Dam. 1; H318 Resp. Sens. 1; H334 Skin Sens. 1; H317	≤ 0,5
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	1065336-91-5  01-2119491304-40-XXXX	Aquatic Chronic 1; H410 Aquatic Acute 1; H400 Skin Sens. 1A; H317 Repr. 2; H361f  M-Factor (Acute aquatic toxicity): 1	< 0,1

For explanation of abbreviations see section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

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General advice	When symptoms persist or in all cases of doubt seek medical advice. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
Inhalation	Move to fresh air in case of accidental inhalation of vapours or decomposition products. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
Skin contact	Take off contaminated clothing and shoes immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
Eye contact	If skin irritation persists, call a physician. In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Ingestion	Seek medical advice. Rinse mouth with water. If swallowed, seek medical advice immediately and show this container or label. Keep at rest. Do NOT induce vomiting.

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

Symptoms No information available.

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

Treatment Treat symptomatically.  
No information available.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

Suitable extinguishing media CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing media High volume water jet

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

Fire may cause evolution of:

Carbon monoxide

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

Nitrogen oxides (NO<sub>x</sub>)

Exposure to decomposition products may be a hazard to health.

Cool closed containers exposed to fire with water spray.

#### 5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

Fight fire with normal precautions from a reasonable distance.

Additional advice

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Remove all sources of ignition.

Ensure adequate ventilation.

Do not breathe vapour.

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## 6.2 Environmental precautions

Prevent unauthorized access.  
The product should not be allowed to enter drains, water courses or the soil.  
If the product contaminates rivers and lakes or drains inform respective authorities.

## 6.3 Methods and material for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
Clean with detergents. Avoid solvents.  
Clean contaminated surface thoroughly.

## 6.4 Reference to other sections

Dispose of contaminated material as waste according to item 13.  
Refer to protective measures listed in sections 7 and 8.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

#### Advice on safe handling

Comply with the statutory regulations on health and safety at work.  
Avoid formation of aerosol.  
Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limit values.  
The product should only be used in areas from which all naked lights and other sources of ignition have been excluded.  
All metal parts of the mixing and processing equipment must be earthed.  
Operators should wear antistatic footwear and clothing. No sparking tools should be used.

#### Hygiene measures

Do not breathe spray, vapour.  
Take off all contaminated clothing immediately.  
Avoid contact with skin, eyes and clothing.  
Wash hands before breaks and immediately after handling the product.  
After washing hands, replenish lost skin oil by means of oily skin ointment.  
When using do not eat, drink or smoke.

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

#### Requirements for storage areas and containers

Store in original container.  
Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. Nosmoking.  
Prevent unauthorized access.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Keep in a well-ventilated place.  
Protect from frost, heat and sunlight.

#### Advice on protection against fire and explosion

Vapours are heavier than air and may spread along floors.  
Vapours may form explosive mixtures with air.  
Keep away from sources of ignition - No smoking.

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Advice on common storage      Take measures to prevent the build up of electrostatic charge.  
Keep away from combustible materials.  
Keep away from food, drink and animal feedingstuffs.  
Keep away from oxidizing agents and strongly acid or alkaline materials.

7.3 Specific end use(s)      For further information, see also Technical Data Sheet for the product.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Exposure limit(s)

Components		CAS-No.
Basis	Type:	Control parameters
acetone		67-64-1
2000/39/EC	Limit Value - eight hours	1.210 mg/m <sup>3</sup>
2000/39/EC	Limit Value - eight hours	500 ppm
Additional advice:	Indicative	
2-methoxy-1-methylethyl acetate		108-65-6
2000/39/EC	Short term exposure limit	550 mg/m <sup>3</sup>
2000/39/EC	Short term exposure limit	100 ppm
Additional advice:	Identifies the possibility of significant uptake through the skin Indicative	
2000/39/EC	Limit Value - eight hours	275 mg/m <sup>3</sup>
2000/39/EC	Limit Value - eight hours	50 ppm
Additional advice:	Identifies the possibility of significant uptake through the skin Indicative	
xylene		1330-20-7
2000/39/EC	Limit Value - eight hours	221 mg/m <sup>3</sup>
2000/39/EC	Limit Value - eight hours	50 ppm
Additional advice:	Identifies the possibility of significant uptake through the skin Indicative	
2000/39/EC	Short term exposure limit	442 mg/m <sup>3</sup>
2000/39/EC	Short term exposure limit	100 ppm
Additional advice:	Identifies the possibility of significant uptake through the skin Indicative	

The lists that were valid during the creation were used as basis.

### 8.2 Exposure controls

#### Appropriate engineering controls

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Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates solvent vapour below the occupational exposure limit values, suitable respiratory - protection must be worn.

Washing facilities / water for rinsing eyes and skin should be available.

## Individual protection measures, such as personal protective equipment

a) Eye/face protection	Safety glasses with side-shields conforming to EN166
b) Skin protection Hand protection	<p>Break through time: 60 min Minimum thickness: 0,7 mm e.g. KCL 898 "Butoject®" - butyl rubber protective glove - (Kächele-Cama-Latex GmbH, Hotline: 0049(0)6659-87-300, kcl-uk@kcl.de) or equal.</p> <p>Dispose of wetted gloves at the end of the shift!</p> <p>Skin that comes into contact with the product should be treated with protective cream. After such contact, the product concerned should under no circumstances be used.</p> <p>The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.</p>
Body Protection	<p>Preventive skin protection Long sleeved clothing Personal should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact.</p>
c) Respiratory protection	<p>When workers are facing concentrations above the occupational exposure limit values they must use appropriate certified respirators. Breathing protection equipment required in inadequately ventilated places and during spraying. In order to avoid inhalation of spray-mist and sanding dust, all spraying and sanding must be done wearing adequate respirator. Combination filter A-P2 Respiratory protection complying with EN 14387.</p>

## Environmental exposure controls

General advice	<p>The product should not be allowed to enter drains, water courses or the soil. If the product contaminates rivers and lakes or drains inform respective authorities.</p>
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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	aerosol
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Colour	various
Odour	characteristic
Odour Threshold	not determined
pH	substance/mixture is non-soluble (in water)
Melting point/freezing point	not determined
Initial boiling point and boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	not applicable
Flammability (solid, gas)	Extremely flammable aerosol.
Upper explosion limit / Upper flammability limit	ca. 13 %(V) Upper explosion limit
Lower explosion limit / Lower flammability limit	ca. 1,7 %(V) Lower explosion limit
Vapour pressure	ca. 8.300 hPa (20 °C)
Vapour density	not determined
Density	not determined
Solubility(ies)	
Water solubility	immiscible
Partition coefficient: n-octanol/water	not determined
Auto-ignition temperature	not auto-flammable
Decomposition temperature	No data available
Viscosity	
Viscosity, dynamic	No data available
Viscosity, kinematic	No data available
Explosive properties	In use may form flammable/explosive vapour-air mixture.
Oxidizing properties	Not applicable

## 9.2 Other information

Ignition temperature	ca. 365 °C
Flow time	No data available

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## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions                      No dangerous reaction known under conditions of normal use.  
Vapours may form explosive mixture with air.

### 10.4 Conditions to avoid

Conditions to avoid                      Direct sources of heat.  
Strong sunlight for prolonged periods.  
Risk of bursting.  
Avoid heating over 50 °C.

### 10.5 Incompatible materials

Materials to avoid                      Strong acids and strong bases  
Strong oxidizing agents

### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

## SECTION 11: TOXICOLOGICAL INFORMATION

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

#### Acute toxicity

##### Product:

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

Acute inhalation toxicity                Acute toxicity estimate: > 20 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: Calculation method

Acute dermal toxicity                      Acute toxicity estimate: > 2.000 mg/kg  
Method: Calculation method

#### Components:

##### xylene:

Acute inhalation toxicity                LC50 (Rat): 11 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

Acute dermal toxicity                      Harmful in contact with skin.

#### phthalic anhydride:

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Acute oral toxicity LD50 (Rat): 1.530 mg/kg

## **Skin corrosion/irritation**

### **Product:**

Repeated exposure may cause skin dryness or cracking.

### **Components:**

#### **acetone:**

Repeated exposure may cause skin dryness or cracking.

#### **Hydrocarbons, C9, aromatics:**

Repeated exposure may cause skin dryness or cracking.

#### **xylene:**

Causes skin irritation.

#### **Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics:**

Repeated exposure may cause skin dryness or cracking.

#### **phthalic anhydride:**

Causes skin irritation.

## **Serious eye damage/eye irritation**

### **Product:**

Causes serious eye irritation.

### **Components:**

#### **acetone:**

Causes serious eye irritation.

#### **xylene:**

Causes serious eye irritation.

#### **phthalic anhydride:**

Causes serious eye damage.

## **Respiratory or skin sensitisation**

### **Product:**

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

### **Components:**

#### **phthalic anhydride:**

May cause an allergic skin reaction.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

## **Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate:**

### **Method**

OECD Test Guideline 406

May cause an allergic skin reaction.

## **Germ cell mutagenicity**

### **Product:**

#### **Genotoxicity in vitro**

Based on available data, the classification criteria are not

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met.

## **Carcinogenicity**

### **Product:**

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

## **Components:**

### **titanium dioxide:**

Suspected of causing cancer.

## **Reproductive toxicity**

### **Product:**

Effects on fertility

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

Developmental Toxicity

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

## **Components:**

### **Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate:**

Effects on fertility

Suspected of damaging fertility.

## **STOT - single exposure**

### **Product:**

Assessment

May cause drowsiness or dizziness.

## **Components:**

### **acetone:**

Exposure routes

Inhalation

Assessment

May cause drowsiness or dizziness.

## **Hydrocarbons, C9, aromatics:**

Exposure routes

Inhalation

Assessment

May cause respiratory irritation., May cause drowsiness or dizziness.

## **2-methoxy-1-methylethyl acetate:**

Assessment

May cause drowsiness or dizziness.

## **xylene:**

Exposure routes

Inhalation

Assessment

May cause respiratory irritation.

## **phthalic anhydride:**

Exposure routes

Inhalation

Assessment

May cause respiratory irritation.

## **STOT - repeated exposure**

### **Product:**

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

## **Components:**

### **xylene:**

Assessment

May cause damage to organs through prolonged or repeated

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exposure.

## Aspiration toxicity

### Product:

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

## Components:

### Hydrocarbons, C9, aromatics:

May be fatal if swallowed and enters airways.

### xylene:

May be fatal if swallowed and enters airways.

### Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics:

May be fatal if swallowed and enters airways.

## Toxicology, Metabolism, Distribution

### Further information

#### Product:

The product itself has not been tested. The mixture is classified in accordance with Annex I to EC Directive 1272/2008. (See sections 2 and 3 for details).

## 11.2 Information on other hazards

### Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### Experience with human exposure

#### Product:

General Information Exposure to component solvent vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects.  
Such as: mucous membrane irritation, respiratory system irritation, adverse effects on kidney, liver and central nervous system. Symptoms and signs: headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness.  
Long-term or repeated contact with the product leads to degreasing of the skin and can cause nonallergenic contact skin damage (contact dermatitis) and / or the resorption of substances.  
  
Solvent sprays can cause irritation and reversible damage to the eye.

### Further information

#### Product:

Remarks : The product itself has not been tested. The mixture is classified in accordance with Annex I to EC Directive 1272/2008. (See sections 2 and 3 for details).

**BEISSIER CHAMELEON  
SPRAY****SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity****Product:**

Toxicity to fish No data available

**Components:****Hydrocarbons, C9, aromatics:**Toxicity to fish LC50 (Oncorhynchus mykiss (rainbow trout)): 9,22 mg/l  
Exposure time: 96 hToxicity to daphnia and other aquatic invertebrates EC50 (Daphnia magna (Water flea)): 6,14 mg/l  
Exposure time: 48 h**trizinc bis(orthophosphate):**Toxicity to fish LC50 (Oncorhynchus mykiss (rainbow trout)): 0,33 - 6,06 mg/l  
Exposure time: 96 hToxicity to daphnia and other aquatic invertebrates EC50 (Daphnia magna (Water flea)): > 2,34 mg/l  
Exposure time: 48 hToxicity to algae/aquatic plants EC50 (Scenedesmus capricornutum (fresh water algae)): 0,32 mg/l  
Exposure time: 72 h

M-Factor (Acute aquatic toxicity) 1

M-Factor (Chronic aquatic toxicity) 1

**zinc oxide:**Toxicity to fish LC50 (Pimephales promelas (fathead minnow)): 0,5 mg/l  
Exposure time: 96 h  
Test Type: static test

M-Factor (Acute aquatic toxicity) 1

Toxicity to fish (Chronic toxicity) NOEC: 0,08 mg/l  
Exposure time: 21 d  
Species: Oncorhynchus mykiss (rainbow trout)

M-Factor (Chronic aquatic toxicity) 1

**Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate:**Toxicity to fish LC50 (Lepomis macrochirus (Bluegill sunfish)): 0,97 mg/l  
Exposure time: 96 hToxicity to algae/aquatic plants EC50 (Desmodesmus subspicatus (green algae)): 1,68 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

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M-Factor (Acute aquatic toxicity)	1
Toxicity to microorganisms	EC50 (activated sludge): > 100 mg/l Exposure time: 3 h Method: OECD Test Guideline 209
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	NOEC: 1 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211

## 12.2 Persistence and degradability

### Product:

Biodegradability No data available

### Components:

#### **Hydrocarbons, C9, aromatics:**

Biodegradability rapidly degradable

#### **Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate:**

Biodegradability Test Type: aerobic  
not rapidly degradable  
Biodegradation: 38 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301F

## 12.3 Bioaccumulative potential

### Product:

Bioaccumulation No data available

### Components:

#### **propane:**

Partition coefficient: n-octanol/water log Pow: 2,36

#### **2-methoxy-1-methylethyl acetate:**

Partition coefficient: n-octanol/water log Pow: 0,43 (20 °C)

#### **isobutane:**

Partition coefficient: n-octanol/water log Pow: 2,76

#### **xylene:**

Partition coefficient: n-octanol/water log Pow: > 3

#### **trizinc bis(orthophosphate):**

Bioaccumulation Does not bioaccumulate.

#### **zinc oxide:**

Bioaccumulation Bioaccumulation is unlikely.

#### **Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate:**

Bioaccumulation Bioaccumulation is unlikely.

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## 12.4 Mobility in soil

### Product:

Mobility No data available

## 12.5 Results of PBT and vPvB assessment

### Product:

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..

## 12.6 Endocrine disrupting properties

### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## 12.7 Other adverse effects

### Product:

Additional ecological information Do not use in the direct vicinity of bodies of water. Do not allow the agent or any product residues to enter into waters, the soil or the sewage system. Even small quantities emptied into the soil can affect the quality of drinking water. Toxic to aquatic life with long lasting effects.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Product	The user is responsible for proper coding and marking of any waste. When used as recommended, the waste code can be selected according to the code of the European Waste Catalogue (EWC), category 17.09 "Other Construction and Demolition Waste" Partial and residual quantities can be reused. Fluid remains constitute hazardous waste and should not be poured into the sewage system. They should be taken to a local waste disposal site.
Contaminated packaging	Packaging that is not properly emptied must be disposed of as the unused product. Empty packaging should be recycled through disposal systems.
Waste key for the unused product	08 01 11* waste paint and varnish containing organic solvents or other hazardous substances (* ) hazardous waste in terms of the European directive 2008/98/EG

## SECTION 14: TRANSPORT INFORMATION



# BEISSIER CHAMELEON SPRAY

## 14.1 UN number or ID number

ADR	1950
IMDG	1950
IATA	1950

## 14.2 UN proper shipping name

ADR	AEROSOLS
IMDG	AEROSOLS (trizinc bis(orthophosphate), zinc oxide)
IATA	Aerosols, flammable

## 14.3 Transport hazard class(es)

ADR	2.1
IMDG	2.1
IATA	2.1

## 14.4 Packing group

ADR	
Packing group	Not Assigned
Classification Code	5F
Labels	2.1
Tunnel restriction code	(D)
IMDG	
Labels	2.1
EmS number	F-D, S-U
IATA	
Labels	2.1

## 14.5 Environmental hazards

ADR	
Environmentally hazardous	: yes
IMDG	
Marine pollutant	: yes

## 14.6 Special precautions for user

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Remarks This information is not available.

## 14.7 Maritime transport in bulk according to IMO instruments

Remarks Not applicable

## Additional advice

ADR ADR: Up to 1 l per inner package, transport as limited quantity in accordance with ADR 3.4.  
IMDG IMDG: Up to 1 l per inner package, transport as limited quantity in accordance with IMDG Code 3.4.

## SECTION 15: REGULATORY INFORMATION

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

VOC  
Directive 2010/75/EU 67,5 %

VOC  
Directive 2004/42/EC

does not fall under Directive 2004/42/EC

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals Not applicable

Other regulations Comply with the statutory regulations on health and safety at work. Take note of Dir 94/33/EC on the protection of young people at work. Take note of Dir 92/85/EEC on the safety and health at work of pregnant workers.

### 15.2 Chemical safety assessment

This information is not available.

## SECTION 16: OTHER INFORMATION

Changes from the previous version are indicated by markings in the left-hand margin.

# BEISSIER CHAMELEON SPRAY

The information in this Safety Data Sheet corresponds to our present state of knowledge and conforms to both national and EU legislation. The user's working conditions are, however, beyond our knowledge and control. The user is responsible for complying with all necessary legal requirements. The information in this Safety Data Sheet describes the safety requirements of our product and does not constitute any assurance of product properties.

## Full text of H-Statements

H220	: Extremely flammable gas.
H225	: Highly flammable liquid and vapour.
H226	: Flammable liquid and vapour.
H280	: Contains gas under pressure; may explode if heated.
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.
H334	: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	: May cause respiratory irritation.
H336	: May cause drowsiness or dizziness.
H351	: Suspected of causing cancer if inhaled.
H361f	: Suspected of damaging fertility.
H373	: May cause damage to organs through prolonged or repeated exposure.
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.

## Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Acute	: Short-term (acute) aquatic hazard
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Asp. Tox.	: Aspiration hazard
Carc.	: Carcinogenicity
Eye Dam.	: Serious eye damage
Eye Irrit.	: Eye irritation
Flam. Gas	: Flammable gases
Flam. Liq.	: Flammable liquids
Press. Gas	: Gases under pressure
Repr.	: Reproductive toxicity
Resp. Sens.	: Respiratory sensitisation
Skin Irrit.	: Skin irritation
Skin Sens.	: Skin sensitisation
STOT RE	: Specific target organ toxicity - repeated exposure
STOT SE	: Specific target organ toxicity - single exposure

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; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation;

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Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; 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; 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; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECl - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

## Further information

### Other information

The assessment was carried out in accordance with Article 6 (5) and Appendix I of EC Directive no. 1272/2008.

It is possible in the interim period that you may find different markings on packaging compared to the Material Safety Data Sheet until stocks have been used up. We ask for your understanding in this matter.

Department issuing MSDS  
Contact person European  
Union  
REG\_EU / EN

beissier.laboratorio@beissier.es

# BEISSIER CHAMELEON SPRAY