Beissier

SAFETY DATA SHEET

BEISSIER CHAMELEON SPRAY

Ref.	130000007698/
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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

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) 1865 407333

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.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Specific target organ toxicity - single exposure, Category 3,	H336: May cause drowsiness or dizziness.

Central nervous system	
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.
Prevention:
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.
Response:
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Storage:
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
Disposal:
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.

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	128601-23-0 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
isobutane	75-28-5 200-857-2 601-004-00-0 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	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 2,5

	01-2119485044-40-XXXX	_____ M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	
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 M-Factor (Chronic aquatic toxicity): 1	< 0,1

For explanation of abbreviations see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

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.
If skin irritation persists, call a physician.

Eye contact	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical advice.
Ingestion	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_2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistantfoam.
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_2) Nitrogen oxides (NO_x) 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. Prevent unauthorized access.
6.2 Environmental precautions	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. Dispose of contaminated material as waste according to item 13.
6.4 Reference to other sections	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. Take measures to prevent the build up of electrostatic charge.
Advice on common storage	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

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
acetone	67-64-1	TWA	500 ppm 1.210 mg/m³	2000/39/EC
	Further information: Indicative			
2-methoxy-1-methylethyl acetate	108-65-6	STEL	100 ppm 550 mg/m³	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		TWA	50 ppm	2000/39/EC

			275 mg/m³	
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
xylene	1330-20-7	TWA	50 ppm 221 mg/m³	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		STEL	100 ppm 442 mg/m³	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			

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

Monitoring procedures for the assessment of workplace exposure: standard EN 482

8.2 Exposure controls

Engineering measures

Provide adequate ventilation. Where reasonably practicable this shoud beachieved 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.

Personal protective equipment

Eye/face protection : Safety glasses with side-shields conforming to EN166

Hand protection

Break through time : 60 min

Glove thickness : 0,7 mm

Remarks : 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.

Dispose of wetted gloves at the end of the shift!

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.

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.

Skin and body protection : Preventive skin protection

Long sleeved clothing

Personal should wear antistatic clothings made of natural fiber or of high temperature resistant synthehic fiber. All parts of the body

should be washed after contact.

Respiratory protection : 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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	:	aerosol
Colour	:	various
Odour	:	characteristic
Odour Threshold	:	not determined
Melting point/freezing point	:	not determined
Initial boiling point and boiling range	:	Not applicable
Flammability	:	Extremely flammable aerosol.
Upper explosion limit / Upper flammability limit	:	ca. 13 %(V) Medium: Upper explosion limit
Lower explosion limit / Lower flammability limit	:	ca. 1,7 %(V) Medium: Lower explosion limit

Flash point	:	Not applicable
Auto-ignition temperature	:	ca. 365 °C
Decomposition temperature	:	No data available
pH	:	substance/mixture is non-soluble (in water)
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Flow time	:	No data available
Solubility(ies)		
Water solubility	:	immiscible
Partition coefficient: n-octanol/water	:	not determined
Vapour pressure	:	ca. 8.300 hPa (20 °C)
Density	:	not determined
Relative vapour density	:	not determined

9.2 Other information

Explosives	:	In use may form flammable/explosive vapour-air mixture.
Oxidizing properties	:	Not applicable

Self-ignition	:	not auto-flammable
Evaporation rate	:	not applicable

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:
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 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 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).

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 h
Toxicity 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 h
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia magna (Water flea)): > 2,34 mg/l Exposure time: 48 h
Toxicity 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 h
Toxicity to algae/aquatic plants	EC50 (Desmodesmus subspicatus (green algae)): 1,68 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
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
M-Factor (Chronic aquatic toxicity)	1

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.

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

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

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 (EU) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals	Not applicable
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	Conditions of restriction for the following entries should be considered: (75, 29, 28)Hydrocarbons, C9, aromatics (29, 28) Hydrocarbons, C9, aromatics (29, 28) acetone butane (containing < 0.1% butadiene (203-450-8)) (29, 28) Hydrocarbons, C9, aromatics (29, 28) isobutane (29, 28) phthalic anhydride
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.
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 - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; 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; TECI - 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	
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REG_EU / EN	

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