

Agrocer Violet 023 disp.

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Substance key: SXR003727

Revision Date: 27.09.2022

Version : 6 - 5 / GB

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

1.1. Product identifier

Trade name

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Material number: 276828

Chemical nature:

C.I. Pigment Violet 23 in aqueous dispersion, containing glycerine

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

Relevant identified uses of the substance or mixture

Industry sector : Personal Care
Type of use : Agricultural Industry

1.3. Details of the supplier of the safety data sheet

Identification of the company

Heubach Colorants Germany GmbH
Brüningstraße 50
65929 Frankfurt am Main
Telephone no. : +49 69 305 13619

Information about the substance/mixture

Product Stewardship
e-mail: SDS.PI.Europe@clariant.com

1.4. Emergency telephone number

00800-5121 5121 (24 h)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Long-term (chronic) aquatic hazard, Category 3 H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard statements : H412 Harmful to aquatic life with long lasting effects.

Precautionary statements :

Prevention:

P273 Avoid release to the environment.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

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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.

No hazards to be specially mentioned.

No additional hazards are known except those derived from the labelling.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Alcohols, C12-14 ethoxylated, sulfates, sodium salts	68891-38-3 500-234-8	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412 specific concentration limit Eye Dam./Irrit. 2; H319 5.0 - < 10.0 % Eye Dam./Irrit. 1; H318 >= 10.0 %	>= 5 - < 10
Biphenyl-2-ol	90-43-7 201-993-5 604-020-00-6 01-2119511183-53	Skin Irrit. 2; H315 Skin Irrit. 2; H315 Eye Dam. 1; H318 Eye Irrit. 2; H319 STOT SE 3; H335 (Respiratory system) STOT SE 3; H335 (Respiratory system) Aquatic Acute 1; H400 Aquatic Acute 1; H400 Aquatic Chronic 1;	>= 0.1 - < 0.25

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		H410 Aquatic Chronic 1; H410	
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For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : Get medical advice/ attention if you feel unwell.
- If inhaled : Remove to fresh air.
- In case of skin contact : IF ON SKIN: Wash with plenty of soap and water.
- In case of eye contact : Rinse the affected eye with plenty of water, at the same time keep the unaffected eye well protected.
- If swallowed : If swallowed do not induce vomiting, seek medical advice and show safety datasheet or label

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No symptoms known currently.
- Risks : No hazards known at this time.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Water spray jet
Dry powder
Carbon dioxide (CO₂)
Alcohol-resistant foam
- Water spray
Carbon dioxide (CO₂)
Foam
Dry chemical
- Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

- Specific hazards during firefighting : In case of fire hazardous decomposition products may be produced such as:

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Carbon monoxide
Carbon dioxide (CO₂)
Nitrogen oxides (NO_x)
Sulphur dioxide
Hydrogen chloride

5.3 Advice for firefighters

Special protective equipment for firefighters : Self-contained breathing apparatus

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Wear suitable protective equipment.
Do not let the liquid drain into rivers, ponds or sewer systems.

6.2 Environmental precautions

Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Treat recovered material as described in the section "Disposal considerations".

6.4 Reference to other sections

Information regarding Safe handling, see chapter 7.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : When used and handled appropriately no special measures are needed

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

Hygiene measures : Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product. Take off immediately all contaminated clothing and wash it before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Further information on storage conditions : Keep away from heat.

- sensitive to frost - In case of the product becoming opaque,

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thickening or being frozen due to the effects of cold, allow to thaw slowly at room temperature. Stir briefly before use.

7.3 Specific end use(s)

Specific use(s) : No further recommendations.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Alcohols, C12-14 ethoxylated, sulfates, sodium salts CAS-No.: 68891-38-3	Workers	Dermal	Long-term systemic effects	2750 mg/kg bw/day
	Remarks:DNEL			
	Workers	Inhalation	Long-term systemic effects	175 mg/m3
	Remarks:DNEL			
	General population	Dermal	Long-term systemic effects	1650 mg/kg bw/day
	Remarks:DNEL			
	General population	Inhalation	Long-term systemic effects	52 mg/m3
	Remarks:DNEL			
	General population	Oral	Long-term systemic effects	15 mg/kg bw/day
	Remarks:DNEL			
	Workers	Dermal	Long-term local effects	0.132 mg/cm2
	General population	Dermal	Long-term local effects	0.079 mg/cm2
C.I. Pigment Violet 23 CAS-No.: 215247-95-3	Workers	Dermal	Long-term systemic effects	42 mg/kg bw/day
	Remarks:DNEL			
	Workers	Inhalation	Long-term systemic effects	49 mg/m3
	Remarks:DNEL			
	Workers	Inhalation	Long-term local effects	3 mg/m3
	Remarks:DNEL			
	General population	Dermal	Long-term systemic effects	25 mg/kg bw/day
	Remarks:DNEL			
	General population	Oral	Long-term systemic effects	25 mg/kg bw/day
	Remarks:DNEL			
Glycerine	Workers	Inhalation	Long-term local	220 mg/m3

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

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CAS-No.: 56-81-5			effects	
	Remarks:DNEL			
	Consumers	Inhalation	Long-term local effects	132 mg/m3
	Remarks:DNEL			
Biphenyl-2-ol CAS-No.: 90-43-7	Workers	Inhalation	Long-term systemic effects	19.25 mg/m3
	Remarks:DNEL			
	Workers	Dermal	Long-term systemic effects	21.84 mg/kg bw/day
	Remarks:DNEL			
	Consumers	Inhalation	Long-term systemic effects	1.2 mg/m3
	Remarks:DNEL			
	Consumers	Dermal	Long-term systemic effects	0.4 mg/kg bw/day
	Remarks:DNEL			
	Consumers	Oral	Long-term systemic effects	0.4 mg/kg bw/day
	Remarks:DNEL			

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
Alcohols, C12-14 ethoxylated, sulfates, sodium salts CAS-No.: 68891-38-3	Fresh water	0.24 mg/l
	salt water	0.024 mg/l
	Water (intermittent release)	0.071 mg/l
	Fresh water sediment	0.9168 mg/kg dry weight (d.w.)
	Marine sediment	0.0917 mg/kg dry weight (d.w.)
	Soil	7.5 mg/kg dry weight (d.w.)
	Sewage treatment plant	10000 mg/l
Glycerine CAS-No.: 56-81-5	Sewage treatment plant	1000 mg/l
Biphenyl-2-ol CAS-No.: 90-43-7	Fresh water	0.001 mg/l
	Intermittent use/release	0.027 mg/l
	Marine water	0 mg/l
	Sewage treatment plant	0.56 mg/l
	Fresh water sediment	0.128 mg/kg dry weight (d.w.)
	Marine water	0.013 mg/kg dry weight (d.w.)
	Soil	2.5 mg/kg dry weight (d.w.)
	Oral	1.87 mg/kg food

8.2 Exposure controls

Personal protective equipment

Eye/face protection : Safety glasses

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Hand protection Remarks	:	Nitrile rubber gloves. Minimum breakthrough time (glove): not determined Minimum thickness (glove): not determined Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
Skin and body protection	:	Wear suitable protective equipment.
Respiratory protection	:	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Protective measures	:	Wear suitable protective equipment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	:	Very viscous
Colour	:	violet
Odour	:	not specified
Odour Threshold	:	not determined
Melting point	:	no data available
Boiling point	:	> 100 °C (1,013 hPa)
Flammability	:	not determined
Upper explosion limit / upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	not determined
Flash point	:	> 100 °C
Auto-ignition temperature	:	not determined
Decomposition temperature	:	> 100 °C
pH	:	8.2 (20 °C)
Viscosity		
Viscosity, dynamic	:	200 - 1,500 mPa.s (23 °C)
Viscosity, kinematic	:	no data available
Solubility(ies)		
Water solubility	:	miscible

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Solubility in other solvents : no data available

Partition coefficient: n-
octanol/water : not determined

Vapour pressure : not determined

Relative density : no data available

Density : 1.1 - 1.4 g/cm³ (20 °C)

Relative vapour density : not determined

Particle characteristics
Particle size : Not applicable

9.2 Other information

Explosives : no data available

Oxidizing properties : no data available

Flammable solids
Burning number : Not applicable

Metal corrosion rate : no data available

Evaporation rate : not determined

Minimum ignition energy : not determined

Molecular weight : no data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use. Stable

10.4 Conditions to avoid

Conditions to avoid : None known.

10.5 Incompatible materials

Materials to avoid : no data available

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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 : LD50 (Rat): > 2,000 mg/kg
Remarks: The toxicological data has been taken from products of similar composition.

Acute inhalation toxicity : Remarks: no data available

Acute dermal toxicity : Remarks: no data available

Components:

Alcohols, C12-14 ethoxylated, sulfates, sodium salts:

Acute oral toxicity : LD50 (Rat, male and female): 2,870 mg/kg
Method: OECD Test Guideline 401
Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity : Remarks: no data available

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 402
Assessment: The substance or mixture has no acute dermal toxicity

Biphenyl-2-ol:

Acute oral toxicity : LD50 (Rat, male and female): 2,733 mg/kg
Method: OECD Test Guideline 401
GLP: yes

Acute inhalation toxicity : LC50 (Rat, male): >949 mg/m³
Exposure time: 1 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
GLP: no
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 402
GLP: yes
Assessment: The substance or mixture has no acute dermal toxicity

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Skin corrosion/irritation

Product:

Species : Rabbit
Result : No skin irritation
Remarks : The toxicological data has been taken from products of similar composition.

Components:

Alcohols, C12-14 ethoxylated, sulfates, sodium salts:

Species : Rabbit
Method : OECD Test Guideline 404
Result : Irritating to skin.

Biphenyl-2-ol:

Species : Rabbit
Exposure time : 24 h
Method : OECD Test Guideline 404
Result : Irritating to skin.
GLP : yes

Serious eye damage/eye irritation

Product:

Species : rabbit eye
Result : No eye irritation
Remarks : The toxicological data has been taken from products of similar composition.

Components:

Alcohols, C12-14 ethoxylated, sulfates, sodium salts:

Method : OECD Test Guideline 405
Result : Risk of serious damage to eyes.

Biphenyl-2-ol:

Species : Rabbit
Method : OECD Test Guideline 405
Result : Risk of serious damage to eyes.
GLP : no

Respiratory or skin sensitisation

Product:

Result : No sensitisation effects are known
Remarks : By analogy with a product of similar composition

Components:

Alcohols, C12-14 ethoxylated, sulfates, sodium salts:

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Species : Guinea pig
Method : OECD Test Guideline 406
Result : Not a skin sensitizer.

Assessment : Causes skin irritation., Causes serious eye damage.

Biphenyl-2-ol:

Test Type : Maximisation Test
Species : Guinea pig
Method : OECD Test Guideline 406
Result : Not a skin sensitizer.
GLP : no

Assessment : Causes skin irritation., Causes serious eye damage.

Germ cell mutagenicity

Components:

Alcohols, C12-14 ethoxylated, sulfates, sodium salts:

Genotoxicity in vitro : Test Type: Ames test
Test system: Salmonella typhimurium
Concentration: 0, 11, 56, 280, 1400, 7000 µg/
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative
GLP: yes

Test Type: Mammalian cell gene mutation assay
Test system: mouse lymphoma cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
Result: negative
GLP: yes

Test Type: Chromosome aberration test in vitro
Test system: Bone marrow cells
Metabolic activation: with and without metabolic activation
Result: negative

Genotoxicity in vivo : Test Type: Cytogenetic assay
Species: Mouse (male and female)
Strain: CD1
Cell type: Bone marrow cells
Application Route: oral (gavage)
Dose: 1000, 2000 mg/kg bw/day
Method: OECD Test Guideline 475
Result: negative

Biphenyl-2-ol:

Genotoxicity in vitro : Test Type: Ames test
Test system: Salmonella typhimurium

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Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative
GLP: yes

Test Type: Chromosome aberration test in vitro
Test system: Chinese hamster ovary cells
Method: OECD Test Guideline 473
Result: negative
GLP: no

Test Type: unscheduled DNA synthesis assay
Test system: rat hepatocytes
Method: OECD Test Guideline 482
Result: negative
GLP: no

Genotoxicity in vivo : Test Type: Micronucleus test
Species: Rat (male)
Strain: Fischer F344
Application Route: oral (feed)
Method: OECD Test Guideline 474
Result: negative
GLP: No information available.

Germ cell mutagenicity-
Assessment : In vitro tests did not show mutagenic effects, In vivo tests did
not show mutagenic effects

Carcinogenicity

Product:

Carcinogenicity -
Assessment : No information available.

Components:

Biphenyl-2-ol:

Species : Rat, male
Application Route : Oral
Exposure time : 448 d
NOAEL : 20,000 mg/kg food
Result : negative

Carcinogenicity -
Assessment : No evidence of carcinogenicity in animal studies.

Reproductive toxicity

Product:

Reproductive toxicity -
Assessment : No information available.

No information available.

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Components:

Alcohols, C12-14 ethoxylated, sulfates, sodium salts:

Effects on fertility : Test Type: Two-generation study
Species: Rat, male and female
Strain: Sprague-Dawley
Application Route: Drinking water
Dose: 30, 100, 300 mg/kd bw/day
General Toxicity - Parent: NOAEL: 300 mg/kg body weight
General Toxicity F1: NOAEL: 300 mg/kg body weight
Method: OECD Test Guideline 416
GLP: yes

Effects on foetal development : Species: Rat, female
Strain: Sprague-Dawley
Application Route: oral (gavage)
Dose: 100, 300, 1000 mg/kg bw/day
General Toxicity Maternal: NOAEL: > 1,000 mg/kg body weight
Embryo-foetal toxicity: NOAEL: > 1,000 mg/kg body weight
Method: OECD Test Guideline 414
GLP: yes

Biphenyl-2-ol:

Effects on fertility : Test Type: Two-generation study
Species: Rat
Strain: Sprague-Dawley
Application Route: oral (feed)
Dose: 20, 100, and 500 mg/kg bw/day
General Toxicity - Parent: NOAEL: 100 mg/kg body weight
Method: OECD Test Guideline 416
GLP: yes

Effects on foetal development : Test Type: Pre-natal
Species: Rat, female
Strain: wistar
Application Route: oral (gavage)
Dose: 150, 300, 600, 1200 mg/kg bw/
Duration of Single Treatment: 10 d
General Toxicity Maternal: NOAEL: 150 mg/kg body weight
Teratogenicity: NOAEL: 300 mg/kg body weight
Method: OECD Test Guideline 414
Result: Not classified
GLP: no

Reproductive toxicity - Assessment : No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

STOT - single exposure

Product:

Remarks : no data available

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Components:

Biphenyl-2-ol:

Assessment : May cause respiratory irritation.

STOT - repeated exposure

Product:

Remarks : no data available

Components:

Biphenyl-2-ol:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity

Product:

Remarks : This information is not available.

Components:

Alcohols, C12-14 ethoxylated, sulfates, sodium salts:

Species : Rat, male and female
NOAEL : > 225 mg/kg
Application Route : oral (gavage)
Exposure time : 90 d
Number of exposures : daily
Dose : 25, 75, 225 mg/kg bw/day
Control Group : yes
Method : OECD Test Guideline 408
GLP : yes

Species : Mouse, male and female
NOAEL : > 6.91 mg/kg
Exposure time : 91 d
Number of exposures : 5 per week
Dose : 2,38, 6,91 mg/day
Control Group : yes
Method : OECD Test Guideline 411

Biphenyl-2-ol:

Species : Rabbit, female
NOAEL : 100 mg/kg bw/day
Application Route : oral (gavage)
Exposure time : 13 d
Method : Other
GLP : no

Species : Rat, male and female

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NOAEL : \geq 100 mg/kg bw/day
Application Route : Dermal
Exposure time : 21 d
Number of exposures : once daily on 5 days/week
Dose : 100, 500, and 1000 mg/kg bw/da
Control Group : yes
Method : OECD Test Guideline 410
GLP : yes

Aspiration toxicity

Product:

no data available

Components:

Biphenyl-2-ol:

No aspiration toxicity classification

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.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 100 - 220 mg/l
Exposure time: 96 h
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : Remarks: no data available

Toxicity to algae/aquatic plants : Remarks: no data available

Toxicity to fish (Chronic toxicity) : Remarks: no data available

Toxicity to microorganisms : Remarks: no data available

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Components:

Alcohols, C12-14 ethoxylated, sulfates, sodium salts:

- Toxicity to fish : LC50 (Danio rerio (zebra fish)): 7.1 mg/l
Exposure time: 96 h
Test Type: flow-through test
Method: OECD Test Guideline 203
- Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 7.4 mg/l
aquatic invertebrates : Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202
- Toxicity to algae/aquatic : EC50 (Desmodesmus subspicatus (green algae)): 27.7 mg/l
plants : Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201
- EC10 (Desmodesmus subspicatus (green algae)): 4.4 mg/l
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201
- Toxicity to fish (Chronic : NOEC: 0.14 mg/l
toxicity) : Exposure time: 28 d
Species: Oncorhynchus mykiss (rainbow trout)
Test Type: flow-through test
Method: OECD Test Guideline 204
- Toxicity to daphnia and other : NOEC: 0.27 mg/l
aquatic invertebrates : Exposure time: 21 d
(Chronic toxicity) : Species: Daphnia magna (Water flea)
Test Type: flow-through test
Method: OECD Test Guideline 211
Remarks: By analogy with a product of similar composition

Ecotoxicology Assessment

- Acute aquatic toxicity : Toxic to aquatic life.
- Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

Biphenyl-2-ol:

- Toxicity to fish : LC50 (Poecilia reticulata (guppy)): 2.95 mg/l
Exposure time: 96 d
Method: OECD Test Guideline 203
GLP: no
- Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 2.71 mg/l
aquatic invertebrates : End point: Immobilization
Exposure time: 48 h
Test Type: static test
Analytical monitoring: no
Method: OECD Test Guideline 202

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GLP: no

Toxicity to algae/aquatic plants : ErC50 (Desmodesmus subspicatus (green algae)): 0.98 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test
Analytical monitoring: no
Method: DIN 38412
GLP: yes

Toxicity to microorganisms : EC50 (activated sludge of a predominantly domestic sewage):
56 mg/l
End point: Bacteria toxicity (respiration inhibition)
Exposure time: 3 h
Test Type: static test
Method: OECD Test Guideline 209
GLP: no

Toxicity to fish (Chronic toxicity) : NOEC: 0.036 mg/l
End point: Reproduction rate
Exposure time: 21 d
Species: Pimephales promelas (fathead minnow)
Test Type: flow-through test
Analytical monitoring: yes
Method: Other
GLP: yes

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.009 mg/l
End point: Reproduction rate
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Test Type: semi-static test
Analytical monitoring: yes
Method: OECD Test Guideline 211
GLP: yes

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: slightly soluble
May be separated mechanically in waste water plants.

Components:

Alcohols, C12-14 ethoxylated, sulfates, sodium salts:

Biodegradability : Test Type: aerobic
Result: Readily biodegradable.
Biodegradation: >= 77 %

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Exposure time: 28 d
Method: OECD Test Guideline 301D

Biphenyl-2-ol:

Biodegradability : Test Type: aerobic
Inoculum: activated sludge
Concentration: 1 mg/l
Result: Readily biodegradable.
Biodegradation: 70.8 - 75.7 %
Related to: Carbon dioxide (CO₂)
Exposure time: 28 d
Method: OECD Test Guideline 301B
GLP: yes

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: no data available

Components:

Biphenyl-2-ol:

Bioaccumulation : Bioconcentration factor (BCF): 21.7

Partition coefficient: n-
octanol/water : log Pow: 2.5 (25 °C)
pH: 7
Method: OECD Test Guideline 117
GLP: yes

12.4 Mobility in soil

Components:

Biphenyl-2-ol:

Distribution among
environmental compartments : Koc: 346.7, log Koc: 2.54

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.

Components:

Biphenyl-2-ol:

Assessment : The substance is not identified as a PBT or as a vPvB substance.

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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:

Environmental fate and pathways : no data available

Additional ecological information : Product contains organic halogen, may contribute to AOX value

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Dispose of in accordance with the European Directives on waste and hazardous waste.

Contaminated packaging : This material and its container must be disposed of in a safe way.

SECTION 14: Transport information

Section 14.1. to 14.5.

ADR	not restricted
ADN	not restricted
RID	not restricted
IATA	not restricted
IMDG	not restricted

14.6. Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

14.7. Maritime transport in bulk according to IMO instruments

No transport as bulk according IBC - Code.

SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

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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: Number on list 3
UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation	:	Not applicable
The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain)	:	Not applicable
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	:	Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	:	Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	:	Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	:	Not applicable
Council Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors	:	Neither banned nor restricted
Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals	:	Not applicable
UK REACH List of substances subject to authorisation (Annex XIV)	:	Not applicable

Other regulations:

Apart from the data/regulations specified in this chapter, no further information is available concerning safety, health and environmental protection.

15.2 Chemical safety assessment

No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in this product.

SECTION 16: Other information

Full text of H-Statements

H315	:	Causes skin irritation.
H318	:	Causes serious eye damage.
H319	:	Causes serious eye irritation.
H335	:	May cause respiratory irritation.
H400	:	Very toxic to aquatic life.
H410	:	Very toxic to aquatic life with long lasting effects.

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H412 : Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Aquatic Acute : Short-term (acute) aquatic hazard
Aquatic Chronic : Long-term (chronic) aquatic hazard
Eye Dam. : Serious eye damage
Eye Irrit. : Eye irritation
Skin Irrit. : Skin irritation
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; TECl - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

Other information : Observe national and local legal requirements

Classification of the mixture:

Aquatic Chronic 3 H412

Classification procedure:

Calculation method

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006



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