

**Agrocer Violet 023 disp.**

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

**1.1. Product identifier**

**Trade name**

Agrocer Violet 023 disp.

**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; H410 Aquatic Chronic 1;	>= 0,1 - < 0,25

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H410

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 (CO<sub>2</sub>)  
Alcohol-resistant foam
- Water spray  
Carbon dioxide (CO<sub>2</sub>)  
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:  
Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)  
Sulphur dioxide

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Hydrogen chloride

**5.3 Advice for firefighters**

Special protective equipment : Self-contained breathing apparatus  
for firefighters

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**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.

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**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 : Normal measures for preventive fire protection.  
fire and explosion

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 : Keep away from heat.  
storage conditions

- sensitive to frost - In case of the product becoming opaque,  
thickening or being frozen due to the effects of cold, allow to  
thaw slowly at room temperature. Stir briefly before use.

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**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 CAS-No.: 56-81-5	Workers	Inhalation	Long-term local effects	220 mg/m3
	Remarks:DNEL			
	Consumers	Inhalation	Long-term local effects	132 mg/m3

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	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

Hand protection

Remarks : Nitrile rubber gloves. Minimum breakthrough time (glove): not determined Minimum thickness (glove): not determined Take

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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.

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**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
- Solubility in other solvents : no data available

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Partition coefficient: n-octanol/water	:	not determined
Vapour pressure	:	not determined
Relative density	:	no data available
Density	:	1,1 - 1,4 g/cm <sup>3</sup> (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

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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

**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

**10.6 Hazardous decomposition products**

No decomposition if stored and applied as directed.



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**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/m<sup>3</sup>  
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

**Skin corrosion/irritation**

**Product:**

Species : Rabbit

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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:**

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

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

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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.

**Components:**

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

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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/kg 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  
NOAEL : >= 100 mg/kg bw/day

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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.

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**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

**Components:**

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

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- 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 aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 7,4 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202
- Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 27,7 mg/l  
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 toxicity) : NOEC: 0,14 mg/l  
Exposure time: 28 d  
Species: Oncorhynchus mykiss (rainbow trout)  
Test Type: flow-through test  
Method: OECD Test Guideline 204
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0,27 mg/l  
Exposure time: 21 d  
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 aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 2,71 mg/l  
End point: Immobilization  
Exposure time: 48 h  
Test Type: static test  
Analytical monitoring: no  
Method: OECD Test Guideline 202  
GLP: no
- Toxicity to algae/aquatic : ErC50 (Desmodesmus subspicatus (green algae)): 0,98 mg/l





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**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 (CO<sub>2</sub>)  
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.

**12.6 Endocrine disrupting properties**

**Product:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according

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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

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**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.

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**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.

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**SECTION 15: Regulatory information**

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

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
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	: Not applicable

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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
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.

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**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.
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 -

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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 : Observe national and local legal requirements

**Classification of the mixture:**

Aquatic Chronic 3 H412

**Classification procedure:**

Calculation method

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Heubach makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of Heubach's products for its particular application. Nothing included in this information waives any of Heubach's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing Heubach products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Heubach.

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



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