

Cosmenyl Violet 100

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Substance key: 000000824152

Revision Date: 08.12.2022

Version : 3 - 2 / EU

Date of printing : 01.02.2023

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

1.1. Product identifier

Trade name

Cosmenyl Violet 100

Material number: 316570

Chemical nature: water based pigment preparation

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

Relevant identified uses of the substance or mixture

Type of use : Cosmetics

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)

Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

Additional Labelling

EUH210 Safety data sheet available on request.

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.

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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.

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
2-Phenoxyethanol	122-99-6 204-589-7 603-098-00-9 01-2119488943-21	Acute Tox. 4; H302 Eye Dam. 1; H318 STOT SE 3; H335 (Respiratory system) Acute toxicity estimate Acute oral toxicity: 1.394 mg/kg 1.394 mg/kg	>= 1 - < 3

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 : Move the victim to fresh air.
If you feel unwell, seek medical advice (show the label where possible).

In case of skin contact : IF ON SKIN: Wash with plenty of soap and water.

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In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

If swallowed : If swallowed, seek medical advice immediately and show this container or label.

4.2 Most important symptoms and effects, both acute and delayed

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

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

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 oxides
Nitrogen oxides (NO_x)

5.3 Advice for firefighters

Special protective equipment for firefighters : Self-contained breathing apparatus

Further information : Wear suitable protective equipment.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Wear suitable protective equipment.

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,

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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 : not required under normal use
- 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 containers tightly closed in a cool, well-ventilated place. Handle and open container with care. Keep away from flames and sparks.

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
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/m ³
	Remarks:DNEL			
	Workers	Inhalation	Long-term local effects	3 mg/m ³
	Remarks:DNEL			
	General population	Dermal	Long-term systemic effects	25 mg/kg bw/day
	Remarks:DNEL			
	General	Oral	Long-term systemic	25 mg/kg

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	population		effects	bw/day
	Remarks:DNEL			
2-Phenoxyethanol CAS-No.: 122-99-6	Workers	Dermal	Long-term systemic effects	20,83 mg/kg bw/day
	Remarks:DNEL			
	Workers	Inhalation	Long-term systemic effects	8,07 mg/m3
	Remarks:DNEL			
	Workers	Inhalation	Long-term local effects	8,07 mg/m3
	Remarks:DNEL			
	Consumers	Oral	Acute systemic effects	9,23 mg/kg bw/day
	Remarks:DNEL			
	Consumers	Dermal	Long-term systemic effects	10,42 mg/kg bw/day
	Remarks:DNEL			
	Consumers	Inhalation	Long-term systemic effects	2,41 mg/m3
	Remarks:DNEL			
	Consumers	Oral	Long-term systemic effects	9,23 mg/kg bw/day
	Remarks:DNEL			
	Consumers	Inhalation	Long-term local effects	2,41 mg/m3
	Remarks:DNEL			
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
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
	Remarks:DNEL			

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

Substance name	Environmental Compartment	Value
2-Phenoxyethanol CAS-No.: 122-99-6	Fresh water	0,943 mg/l
	salt water	0,094 mg/l
	Water (intermittent release)	3,44 mg/l
	Sewage treatment plant	24,8 mg/l
	Fresh water sediment	7,2366 mg/kg dry weight (d.w.)
	Marine sediment	0,7237 mg/kg dry weight (d.w.)
	Soil	1,26 mg/kg dry weight (d.w.)
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

8.2 Exposure controls

Engineering measures

Handle only in a place equipped with local exhaust (or other appropriate exhaust).

Personal protective equipment

Eye/face protection : Safety glasses

Hand protection

Remarks : Nitrile rubber 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 : dispersion

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Colour	:	violet
Odour	:	not significant
Odour Threshold	:	not required
Melting point	:	Not applicable
Boiling point	:	100 °C
Flammability	:	Flammable
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	:	The product does not contain any chemical groups which suggest self-reactive properties, nor is the estimated SADT less than 75 °C, nor is the exothermic decomposition energy higher than 300 J/g.
pH	:	7,8
Viscosity Viscosity, dynamic	:	100 mPa.s (23 °C)
Solubility(ies) Water solubility	:	miscible
Partition coefficient: n-octanol/water	:	Not applicable
Vapour pressure	:	Not applicable
Relative density	:	no data available
Density	:	1,15 g/cm ³ (23 °C)
Relative vapour density	:	not determined
Particle characteristics Particle size	:	Not applicable

9.2 Other information

Explosives : no data available

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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 under normal conditions.

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.

SECTION 11: Toxicological information

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

Acute toxicity

Product:

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

Acute inhalation toxicity : Remarks: no data available

Acute dermal toxicity : Remarks: no data available

Components:

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

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- 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

2-Phenoxyethanol:

- Acute oral toxicity : Acute toxicity estimate: 1.394 mg/kg
Assessment: The component/mixture is moderately toxic after single ingestion.

Acute toxicity estimate: 1.394 mg/kg
Method: Acute toxicity estimate according to Regulation (EC) No. 1272/2008

- Acute inhalation toxicity : LC50 (Rat, male and female): > 1000 mg/m³
Exposure time: 14 d
Test atmosphere: dust/mist
Method: OECD Test Guideline 412
GLP: yes
Assessment: The substance or mixture has no acute inhalation toxicity

- Acute dermal toxicity : LD50 (Rabbit, male and female): > 2.214 mg/kg
Method: Other
GLP: no
Assessment: The substance or mixture has no acute dermal toxicity

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.

2-Phenoxyethanol:

- Species : Rabbit

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Exposure time : 4 h
Method : OECD Test Guideline 404
Result : No skin irritation
GLP : no

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.

2-Phenoxyethanol:

Species : Rabbit
Exposure time : 15 d
Method : OECD Test Guideline 405
Result : Risk of serious damage to eyes.
GLP : no

Respiratory or skin sensitisation

Product:

Remarks : no data available

Components:

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

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

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

2-Phenoxyethanol:

Test Type : Maximisation Test
Exposure routes : Skin contact
Species : Guinea pig
Method : OECD Test Guideline 406
Result : Not a skin sensitizer.
GLP : yes

Assessment : Harmful if swallowed.

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Germ cell mutagenicity

Product:

Genotoxicity in vitro : Remarks: no data available

Germ cell mutagenicity-
Assessment : No information available.

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

2-Phenoxyethanol:

Genotoxicity in vitro : Test Type: Ames test
Test system: Salmonella typhimurium
Concentration: 20 - 5000 µg/plate
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 lung cells
Concentration: 43,8 - 1400 µg/ml
Metabolic activation: with and without metabolic activation

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Method: OECD Test Guideline 473

Result: negative

GLP: yes

Test Type: HGPRT assay

Test system: Chinese hamster lung cells

Concentration: 43,8 - 1400 µg/ml

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 476

Result: negative

GLP: yes

Genotoxicity in vivo

: Test Type: Micronucleus test
Species: Mouse (male)
Strain: NMRI
Cell type: Bone marrow
Application Route: Intraperitoneal injection
Exposure time: 24 - 48 h
Dose: 1x 125-250-500 mg/kg
Method: OECD Test Guideline 474
Result: negative
GLP: yes

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:

2-Phenoxyethanol:

Carcinogenicity -
Assessment

: No information available.

Reproductive toxicity

Product:

Reproductive toxicity -
Assessment

: No information available.

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/kg bw/day
General Toxicity - Parent: NOAEL: 300 mg/kg body weight

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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

2-Phenoxyethanol:

Effects on fertility : Test Type: Two-generation study
Species: Mouse, male and female
Strain: CD1
Application Route: oral (feed)
Dose: 0,25 - 1,25 - 2,5 % in diet
General Toxicity - Parent: NOAEL: 1.875 mg/kg body weight
General Toxicity F1: NOAEL: 375 mg/kg body weight
General Toxicity F2: NOAEL: 375 mg/kg body weight
Method: Other
GLP: yes

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

Components:

2-Phenoxyethanol:

Assessment : May cause respiratory irritation.

STOT - repeated exposure

Product:

Remarks : no data available

Components:

2-Phenoxyethanol:

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

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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

2-Phenoxyethanol:

Species : Rat, male and female
NOAEL : 369 mg/kg
Application Route : oral (gavage)
Exposure time : 13 w
Number of exposures : daily
Dose : 1250-2500-5000-10000-20000mg/l
Control Group : yes
Method : OECD Test Guideline 408
GLP : yes

Species : Rat, male and female
NOAEL : 0,0482 mg/l
LOAEL : 0,246 mg/l
Application Route : Inhalation
Exposure time : 14 d
Number of exposures : 6 h/d, 5 days/w
Dose : 40 - 200 - 1000 mg/m3
Control Group : yes
Method : OECD Test Guideline 412
GLP : yes

Species : Rabbit, male and female
NOAEL : 500 mg/kg
Application Route : Skin contact
Exposure time : 13 w
Number of exposures : 6 h/d, 5 days/w

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Dose : 50 - 150 - 500 mg/kg
Control Group : yes
Method : OECD Test Guideline 411
GLP : yes

Aspiration toxicity

Product:

no data available

Components:

2-Phenoxyethanol:

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 : Remarks: no data available

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:

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

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- 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.

2-Phenoxyethanol:

- Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 344 mg/l
End point: mortality
Exposure time: 96 h
Test Type: flow-through test
Analytical monitoring: yes
Method: Other
GLP: no data available
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 500 mg/l
End point: Immobilization
Exposure time: 48 h
Test Type: static test
Analytical monitoring: no
Method: OECD Test Guideline 202
GLP: no
Remarks: The details of the toxic effect relate to the nominal concentration.

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- Toxicity to algae/aquatic plants : ErC50 (Desmodesmus subspicatus (green algae)): 625 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test
Analytical monitoring: yes
Method: Directive 67/548/EEC, Annex V, C.3.
GLP: yes
Remarks: The details of the toxic effect relate to the nominal concentration.
- Toxicity to microorganisms : EC50 (activated sludge): > 1.000 mg/l
End point: Bacteria toxicity (respiration inhibition)
Exposure time: 0,5 h
Test Type: aquatic
Analytical monitoring: no
Method: OECD Test Guideline 209
GLP: yes
Remarks: The details of the toxic effect relate to the nominal concentration.
- Toxicity to fish (Chronic toxicity) : NOEC: 24 mg/l
End point: mortality
Exposure time: 34 d
Species: Pimephales promelas (fathead minnow)
Test Type: flow-through test
Analytical monitoring: yes
Method: OECD Test Guideline 210
GLP: yes
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 9,43 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
- Toxicity to soil dwelling organisms : Test Type: artificial soil
LC50: > 1.000 mg/kg
Exposure time: 14 d
End point: mortality
Species: Eisenia fetida (earthworms)
Method: OECD Test Guideline 207
GLP:yes
Remarks: The details of the toxic effect relate to the nominal concentration.
- Plant toxicity : EC50: 107 mg/kg
Exposure time: 19 d
Analytical monitoring: no
Method: OECD Guide-line 208
GLP:yes

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EC50: 37 mg/kg
Exposure time: 19 d
Species: Brassica napus
Analytical monitoring: no
Method: OECD Guide-line 208
GLP:yes

EC50: 235 mg/kg
Exposure time: 19 d
Species: Brassica napus
Analytical monitoring: no
Method: OECD Guide-line 208
GLP:yes

Sediment toxicity : Remarks: Not applicable

Toxicity to terrestrial organisms : Remarks: Not applicable

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: no data available

Components:

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

Biodegradability : Test Type: aerobic
Result: Readily biodegradable.
Biodegradation: >= 77 %
Exposure time: 28 d
Method: OECD Test Guideline 301D

2-Phenoxyethanol:

Biodegradability : Test Type: aerobic
Inoculum: activated sludge
Concentration: 30 mg/l
Result: Readily biodegradable.
Biodegradation: 90 %
Related to: Biochemical Oxygen Demand (BOD)
Exposure time: 28 d
Method: OECD Test Guideline 301F
GLP: yes

Test Type: aerobic
Inoculum: activated sludge
Concentration: 20 mg DOC/l
Result: Readily biodegradable.
Biodegradation: > 90 %
Related to: Dissolved organic carbon (DOC)
Exposure time: 15 d
Method: OECD Test Guideline 301A
GLP: yes

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Physico-chemical
removability : Remarks: Biodegradable

Stability in water : Test Type: abiotic
Degradation half life (DT50): > 365 d (50 °C)
pH: 4 - 9
Method: OECD Test Guideline 111
GLP: yes

Photodegradation : Test Type: air
Light source: Sunlight
Sensitiser: OH
Concentration: 500000 molecules/cm³
Rate constant: 3,26727E-11 cm³/(molecule*sec)
Degradation (indirect photolysis): 50 % Degradation half life:
11,8 h
Method: calculated
GLP: no

Test Type: water
Light source: Other
Light spectrum: 298 - 400 nm
Degradation (direct photolysis): 50 % Degradation half life:
5.120 d
GLP: No information available.

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: no data available

Components:

2-Phenoxyethanol:

Bioaccumulation : Species: Other
Bioconcentration factor (BCF): 0,35
Method: calculated
GLP: no

Partition coefficient: n-
octanol/water : log Pow: 1,2 (23 °C)
pH: 7
Method: Regulation (EC) No. 440/2008, Annex, A.8
GLP: yes

12.4 Mobility in soil

Components:

2-Phenoxyethanol:

Distribution among
environmental compartments : adsorption
Medium: water - soil
log Koc: 1,6
Method: OECD Test Guideline 121

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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:

2-Phenoxyethanol:

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

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 : no data available

Components:

2-Phenoxyethanol:

Environmental fate and pathways : no data available

Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.

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.

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

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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

H302	:	Harmful if swallowed.
H315	:	Causes skin irritation.
H318	:	Causes serious eye damage.
H335	:	May cause respiratory irritation.
H412	:	Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.	:	Acute toxicity
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Eye Dam.	:	Serious eye damage
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; AIIIC - 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

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Further information

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