

1. PRODUCT AND COMPANY IDENTIFICATION

Trade name

Agrocer Violet 023 disp.

Material number: 276828

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

Use of the Substance/Mixture

Industry sector : Personal Care
Type of use : Agricultural Industry

Identification of the company

Heubach Colorants Germany GmbH

Brüningstraße 50
Frankfurt am Main 65929, Germany
Telephone : +49 69 305 13619

Information about the substance/preparation

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

Emergency telephone number: 2 8793 3212

2. HAZARDS IDENTIFICATION

GHS Classification

Short-term (acute) aquatic hazard : Category 3

Long-term (chronic) aquatic hazard : Category 3

GHS label elements

Hazard pictograms : None

Signal word : None

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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Date of printing : 2022/12/10**Other hazards which do not result in classification**

According to the present state of knowledge provided this product is handled correctly, there is no danger to humans or the environment

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical Name	CAS-No.	Concentration (% w/w)
Alcohols, C12-14 ethoxylated, sulfates, sodium salts	68891-38-3	>= 5 -< 10
Biphenyl-2-ol	90-43-7	>= 0.1 -< 0.25

4. FIRST AID MEASURES

General advice : Get medical advice/ attention if you feel unwell.

First aid measures for different exposure routes

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

Most important symptoms and effects, both acute and delayed : No symptoms known currently.
No hazards known at this time.

Notes to physician : Treat symptomatically.

5. FIREFIGHTING MEASURESSuitable extinguishing media : Water spray jet
Dry powder
Carbon dioxide (CO₂)
Alcohol-resistant foamWater spray
Carbon dioxide (CO₂)
Foam
Dry chemical

Unsuitable extinguishing media : High volume water jet

- Specific hazards during firefighting : In case of fire hazardous decomposition products may be produced such as:
Carbon monoxide
Carbon dioxide (CO₂)
Nitrogen oxides (NO_x)
Sulphur dioxide
Hydrogen chloride
- Special protective equipment for firefighters : Self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Wear suitable protective equipment.
Do not let the liquid drain into rivers, ponds or sewer systems.
- Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.
- Methods and materials for containment and 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".

7. HANDLING AND STORAGE

Handling

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : When used and handled appropriately no special measures are needed

Storage

- Further information on storage conditions : Keep away from heat.

- 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Biological occupational exposure limits

Contains no substances with biological exposure indices.

Personal protective equipment

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

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).

Eye protection : Safety glasses

Skin and body protection : Wear suitable protective equipment.

Protective measures : Wear suitable protective equipment.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Very viscous

Colour : violet

Odour : not specified

Odour Threshold : not determined

pH : 8.2 (20 °C)

Melting point : no data available

Boiling point : > 100 °C
(1,013 hPa)

Flash point : > 100 °C

Evaporation rate : not determined

Flammability (solid, gas) : not determined

Burning number : Not applicable

Upper explosion limit / upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	not determined
Vapour pressure	:	not determined
Relative vapour density	:	not determined
Relative density	:	no data available
Density	:	1.1 - 1.4 g/cm ³ (20 °C)
Solubility(ies)		
Water solubility	:	miscible
Solubility in other solvents	:	no data available
Partition coefficient: n-octanol/water	:	not determined
Auto-ignition temperature	:	not determined
Decomposition temperature	:	> 100 °C
Viscosity		
Viscosity, dynamic	:	200 - 1,500 mPa.s (23 °C)
Viscosity, kinematic	:	no data available
Explosive properties	:	no data available
Oxidizing properties	:	no data available
Molecular weight	:	no data available
Metal corrosion rate	:	no data available
Minimum ignition energy	:	not determined
Particle size	:	Not applicable

10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable
Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use. Stable

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Conditions to avoid	:	None known.
Incompatible materials	:	no data available
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

Symptoms of Overexposure : No symptoms known currently.

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

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Method: OECD Test Guideline 402

GLP: yes

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.

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:**

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

Biphenyl-2-ol:

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

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.

Chronic toxicity

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

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:

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

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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:

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

Repeated dose toxicity - Assessment : Causes skin irritation., Causes serious eye damage.

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
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

Repeated dose toxicity - Assessment : Causes skin irritation., Causes serious eye damage.

Aspiration toxicity

Product:

no data available

Components:

Biphenyl-2-ol:

No aspiration toxicity classification

12. ECOLOGICAL INFORMATION

Ecotoxicity

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:

- 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 (Oncorhynchus mykiss (rainbow trout)): 0.14 mg/l
Exposure time: 28 d
Test Type: flow-through test
Method: OECD Test Guideline 204
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.27 mg/l
Exposure time: 21 d
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 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 fish (Chronic toxicity) : NOEC (Pimephales promelas (fathead minnow)): 0.036 mg/l
 End point: Reproduction rate
 Exposure time: 21 d
 Test Type: flow-through test
 Analytical monitoring: yes
 Method: Other
 GLP: yes
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.009 mg/l
 End point: Reproduction rate
 Exposure time: 21 d
 Test Type: semi-static test
 Analytical monitoring: yes
 Method: OECD Test Guideline 211
 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

Ecotoxicology Assessment

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

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 : aerobic
 Result: Readily biodegradable.
 Biodegradation: $\geq 77\%$
 Exposure time: 28 d
 Method: OECD Test Guideline 301D

Biphenyl-2-ol:

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

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

Mobility in soil

Components:

Biphenyl-2-ol:

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

Other adverse effects

Product:

Environmental fate and pathways : Remarks: no data available

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

Components:

Biphenyl-2-ol:

Results of PBT and vPvB assessment : The substance is not identified as a PBT or as a vPvB substance.

13. DISPOSAL CONSIDERATIONS**Disposal methods**

- Waste from residues : 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.

14. TRANSPORT INFORMATION

- IATA not restricted
IMDG not restricted

15. REGULATORY INFORMATION**National regulatory information**

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

16. OTHER INFORMATION**Further information**

- Literature references : Clariant Environment, Health and Safety database
- Responsible Department : Product Stewardship
- Prepared by : Product Stewardship Specialist
- Prepared date : 2022/06/29
- Other information : Observe national and local legal requirements
none
- Date format : yyyy/mm/dd

Full text of other abbreviations

AllC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); 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; ERG - Emergency Response Guide; 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; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; 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; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - 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; WHMIS - Workplace Hazardous Materials Information System

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