

**SAFETY DATA SHEET**  
Safety data sheet in accordance with  
Colombian Standard NTC 4435

**Agrocer Violet 023 disp.**

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Substance key: SXR003727

Revision Date: 29.09.2022

Version : 1 - 3 / CO

Date of printing : 10.12.2022

**SECTION 1. IDENTIFICATION**

**Trade name**

**Agrocer Violet 023 disp.**

**Material number:** 276828

**Chemical nature:** C.I. Pigment Violet 23 in aqueous dispersion, containing glycerine

**Relevant identified uses of the substance or mixture**

Industry sector : Personal Care  
Type of use : Agricultural Industry

**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

**Emergency telephone number :** +57 1 877 3300 (24 h)

**SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification**

Long-term (chronic) aquatic hazard : Category 3

**GHS label elements**

Signal word : Warning

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.

**Other hazards which do not result in classification**

No hazards to be specially mentioned.  
No additional hazards are known except those derived from the labelling.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

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### 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

### SECTION 4. 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
- Most important symptoms and effects, both acute and delayed : No symptoms known currently.  
No hazards known at this time.
- Notes to physician : Treat symptomatically.

### SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Water spray jet  
Dry powder  
Carbon dioxide (CO<sub>2</sub>)  
Alcohol-resistant foam
- 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 (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)  
Sulphur dioxide  
Hydrogen chloride
- Special protective equipment : Self-contained breathing apparatus

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for firefighters

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**SECTION 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".

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**SECTION 7. HANDLING AND STORAGE**

- 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
- 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.

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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

**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

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- 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.

### SECTION 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<sup>3</sup> (20 °C)

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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

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

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

#### Product:

Acute oral toxicity	: LD50 (Rat): > 2.000 mg/kg Remarks: The toxicological data has been taken from
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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  
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

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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.

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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

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



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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/kg bw/day  
General Toxicity - Parent: NOAEL: 300 mg/kg body weight  
General Toxicity F1: NOAEL: 300 mg/kg body weight

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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

**Components:**

**Biphenyl-2-ol:**

Assessment : May cause respiratory irritation.

**STOT - repeated exposure**

**Product:**

Remarks : no data available

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### 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/day  
Control Group : yes  
Method : OECD Test Guideline 410

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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

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**SECTION 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

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- 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

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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: >= 77 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301D

**Biphenyl-2-ol:**

Biodegradability : aerobic  
Inoculum: activated sludge  
Concentration: 1 mg/l  
Carbon dioxide (CO<sub>2</sub>)  
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

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**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.

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**SECTION 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.

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**SECTION 14. TRANSPORT INFORMATION**

**Road Transport Regulation** not restricted  
**IATA** not restricted  
**IMDG** not restricted

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

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Not applicable for product as supplied.

## SECTION 15. REGULATORY INFORMATION

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

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

Regulations controlling the importation, manufacture, sale, distribution, transport and use of substances that may be used for the processing of addictive drugs. : Sodium hydroxide

## SECTION 16. OTHER INFORMATION

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### Further information

Other information : Observe national and local legal requirements

### Full text of other abbreviations

AIIC - 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



**SAFETY DATA SHEET**  
Safety data sheet in accordance with  
Colombian Standard NTC 4435



**Agrocer Violet 023 disp.**

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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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