

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 12.10.2016

Version: 5

Revision: 12.10.2016

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

- **1.1 Product identifier**
- **Trade name:** Florissant 100
- **Article number:** 541.xxx.966
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Cut flower pretreatment product
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
UFO Supplies BV
Rietwijkeroordweg 15
1432 JG Aalsmeer
Tel. +31 297 343603
Fax. +31 297 368753
Email. florissant@ufosupplies.nl
- **Further information obtainable from:** Contactperson: Tjeerd de Looze
- **1.4 Emergency telephone number:** +31 297 343603

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **2.1.1 Classification according to Regulation (EC) No 1272/2008**



GHS09 environment

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS09

- **Signal word** Warning
- **Hazard statements**
H410 Very toxic to aquatic life with long lasting effects.
- **Precautionary statements**
P280 Wear protective gloves.
P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Additional information:**
To avoid risks to human health and the environment, comply with the instructions for use.

(Contd. on page 2)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 12.10.2016

Version: 5

Revision: 12.10.2016

Trade name: Florissant 100

(Contd. of page 1)

- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** This mixture does not contain substances that meet PBT criteria of REACH, annex XIII
- **vPvB:** This mixture does not contain substances that meet vPvB criteria of REACH, annex XIII

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

Sodium silver thiosulfate	Aquatic Chronic 1, H410	≥2.5<5%
---------------------------	-------------------------	---------

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation:** No special measures required
- **After skin contact:**
Rinse with warm water.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Rinse mouth with water and drink one or two glasses of water.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Wear protective clothing.
- **6.2 Environmental precautions:** Prevent seepage into sewage system, workpits and cellars.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Send for recovery or disposal in suitable receptacles.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.

(Contd. on page 3)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 12.10.2016

Version: 5

Revision: 12.10.2016

Trade name: Florissant 100

See Section 13 for disposal information.

(Contd. of page 2)

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.
- **Maximum storage temperature:** 30 °C
- **Minimum storage temperature:** 0 °C
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not required.
- **Protection of hands:**



Protective gloves

- **Material of gloves**
Short-term use: Chemical protective gloves with CE mark that comply with the standard (low chemical resistant / waterproof).
Use chemical resistant gloves classified under standard EN 374 when prolonged or frequently repeated contact could occur.
Recommended thickness of the material: ≥ 0.12 mm.
Suitable glove material is e. g:
Nitrile rubber, NBR
Neoprene gloves
- **Penetration time of glove material**
Not applicable to gloves that meet the standard EN-374-1.
For protective gloves that meet the standard EN 374 breakthrough time > 60 minutes (Protection Index Class 3 or higher).

(Contd. on page 4)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 12.10.2016

Version: 5

Revision: 12.10.2016

Trade name: Florissant 100

(Contd. of page 3)

*Check before each use the protective gloves for damage.**Wear protective gloves no longer than necessary.*

- **Eye protection:** Goggles recommended during refilling
- **Limitation and supervision of exposure into the environment**
Do not allow to enter sewers/ surface or ground water.
- **Risk management measures**

Residual solutions of Chrysal AVB should be neutralized before disposal. See technical information.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

<i>Form:</i>	<i>Fluid</i>
<i>Colour:</i>	<i>Colourless</i>
<i>Odour:</i>	<i>Sulfurous</i>

- **pH-value at 20 °C:** 5.8

- **Change in condition**

*Melting point/Melting range: Undetermined.**Boiling point/Boiling range: 100 °C*

- **Flash point:** *Not applicable.*

- **Self-igniting:** *Product is not selfigniting.*

- **Danger of explosion:** *Product does not present an explosion hazard.*

- **Explosion limits:**

*Lower: Not determined.**Upper: Not determined.*

- **Vapour pressure at 20 °C:** 23 hPa

- **Density at 20 °C:** 1.113 g/cm³

- **Solubility in / Miscibility with water:** *Fully miscible.*

- **Viscosity:**

*Dynamic: Not determined.**Kinematic: Not determined.*

- **Solvent content:**

*Organic solvents: 0.0 %**Water: 80.9 %*

- **Solids content:** 21.9 %

- **9.2 Other information** *No further relevant information available.*

GB

(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 12.10.2016

Version: 5

Revision: 12.10.2016

Trade name: Florissant 100

(Contd. of page 4)

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:**
Oral LD50 (rat): >2000 mg/kg (OECD 401)
Dermal LD50 (rat): >2000 mg/kg (OECD 402)
- **Primary irritant effect:**
- **Skin corrosion/irritation** Not irritating (OECD 404)
- **Serious eye damage/irritation** Not irritating (OECD 405)
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** This mixture does not contain substances that meet the PBT criteria of REACH, Annex XIII.
- **vPvB:** This mixture does not contain substances that meet vPvB criteria of REACH, Annex XIII.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Residual solutions of Chrysal AVB should be neutralized before disposal. See technical information.

(Contd. on page 6)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 12.10.2016

Version: 5

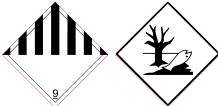
Revision: 12.10.2016

Trade name: Florissant 100

(Contd. of page 5)

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

<ul style="list-style-type: none"> · 14.1 UN-Number · ADR, IMDG, IATA · ADN 	<p>UN3082 Void</p>
<ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR · ADN · IMDG · IATA 	<p>3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Sodium silver thiosulfate solution) Void ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Natriumzilverthiosulfaat), MARINE POLLUTANT ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Natriumzilverthiosulfaat)</p>
<ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR, IATA · Class · Label · ADN/R Class: 	<p>9 Miscellaneous dangerous substances and articles. 9 Void</p>
<ul style="list-style-type: none"> · IMDG 	<p>9 Miscellaneous dangerous substances and articles. 9</p>
<ul style="list-style-type: none"> · 14.4 Packing group · ADR, IMDG, IATA 	<p>III</p>
<ul style="list-style-type: none"> · 14.5 Environmental hazards: · Marine pollutant: 	<p>Product contains environmentally hazardous substances: Sodium silver thiosulfate Symbol (fish and tree)</p>
<ul style="list-style-type: none"> · 14.6 Special precautions for user · Danger code (Kemler): 	<p>Warning: Miscellaneous dangerous substances and articles. 90</p>
<ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code 	<p>Not applicable.</p>

(Contd. on page 7)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 12.10.2016

Version: 5

Revision: 12.10.2016

Trade name: Florissant 100

(Contd. of page 6)

· Transport/Additional information:**· ADR****· Limited quantities (LQ)**

5L

Special provision 375 (ADR 2015) materials carried under UN3082 in either single or inner packaging of 5 Kg or less, are not subject to any other provisions of ADR such as any transport labelling and/or marking or documentation provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

· Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· Transport category

3

· Tunnel restriction code

E

· UN "Model Regulation":

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Sodium silver thiosulfate solution), 9, III

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Attention: The following risk phrase relate to the raw materials in the product and not the product itself. The (EU) H-phrases for the mixture, if relevant, can be found in Section 2.

· Relevant phrases

H410 Very toxic to aquatic life with long lasting effects.

· Contact: Tjeerd de Looze**· Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

- *** Data compared to the previous version altered.**