

**Material Safety Data Sheet**  
According to 91/155 EC

Printing date 16.12.2002

Version: 1

Reviewed on 16.12.2002

**1 Identification of the substance/preparation and of the company/undertaking**

- **Product details**
- **Trade name:** *Chrysal SVB*
- **Article number:** *T530 (SVB)*
- **Application of the substance / the preparation** *Cut flower pretreatment product*
- **Manufacturer/Supplier:**  
*Pokon & Chrysal BV*  
*P.O. Box 5300*  
*1410 AH NAARDEN*  
*The Netherlands*  
*Tel.: +31-(0)35-6955888*  
*Fax: +31-(0)35-6955822*
- **Further information obtainable from:**  
*Department: Regulatory Affairs*  
*Contact: P. Herman*
- **Information in case of emergency:** *Tel.: +31-(0)35-6955851*

**2 Composition/information on ingredients**

- **Chemical characterization**
- **Description:** *Mixture of substances listed below with nonhazardous additions.*
- **Dangerous components:** *Void*

**3 Hazards identification**

- **Hazard description:** *Not applicable.*
- **Information concerning particular hazards for human and environment:**  
*The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.*  
*To avoid risks for humans and environment obtain instructions.*
- **Classification system:**  
*The classification is according to the latest editions of the EU-lists, and extended by company and literature data.*

**4 First-aid measures**

- **After inhalation:** *Supply fresh air; consult doctor in case of complaints.*
- **After skin contact:** *Generally the product does not irritate the skin.*
- **After eye contact:** *Rinse opened eye for several minutes under running water.*
- **After swallowing:** *If symptoms persist consult doctor.*

**5 Fire-fighting measures**

- **Suitable extinguishing agents:**  
*CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.*
- **Protective equipment:** *No special measures required.*

GB

(Contd. on page 2)

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(Contd. of page 1)

**6 Accidental release measures**

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Pick up mechanically.  
Dispose contaminated material as waste according to item 13.

**7 Handling and storage**

- **Handling:**
- **Information for safe handling:** Prevent formation of dust.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Keep out of reach of children.
- **Maximum storage temperature:** 40°C
- **Class according to regulation on flammable liquids:** Void

**8 Exposure controls/personal protection**

- **Additional information about design of technical facilities:** No further data; see item 7.
- **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.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Do not eat, drink, smoke or sniff while working.  
Wash hands before breaks and at the end of work.
- **Respiratory protection:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:** Not required.
- **Material of gloves -**
- **Penetration time of glove material -**
- **Eye protection:** Not required.
- **Body protection:** Use protective suit.

**9 Physical and chemical properties**

· **General Information**

<b>Form:</b>	Tablets
<b>Colour:</b>	White

(Contd. on page 3)

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(Contd. of page 2)

<b>Odour:</b>	Odourless
<b>Change in condition</b> Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
<b>Flash point:</b>	Not applicable.
<b>Self-igniting:</b>	Product is not selfigniting.
<b>Danger of explosion:</b>	Product does not present an explosion hazard.
<b>Density:</b>	Not determined.
<b>Solubility in / Miscibility with water:</b>	Soluble.

**10 Stability and reactivity**

- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

**11 Toxicological information**

- **Acute toxicity:**
- **Primary irritant effect:**  
on the skin: No irritant effect.  
on the eye: No irritating effect.
- **Sensitization:** No sensitizing effects known.

**12 Ecological information**

- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.  
Harmful to aquatic organisms

**13 Disposal considerations**

- **Product:**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

(Contd. on page 4)

GB

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(Contd. of page 3)

· Recommended cleansing agents: Water, if necessary together with cleansing agents.

**14 Transport information**

· Land transport ADR/RID (cross-border)  
· ADR/RID class: -

· Maritime transport IMDG:  
· IMDG Class: -  
· Marine pollutant: No

· Air transport ICAO-TI and IATA-DGR:  
· ICAO/IATA Class: -

**15 Regulatory information**

· Labelling according to EU guidelines:  
Observe the general safety regulations when handling chemicals.  
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

· Special labelling of certain preparations:  
To avoid risks for humans and environment obtain instructions.

· National regulations:

· Classification according to VbF: Void

· Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

**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.

· Department issuing MSDS: Department: Regulatory Affairs  
· Contact: P. Herman