

Material Safety Data Sheet
According to 91/155 EC

Printing date 13.03.2003

Version: 2

Reviewed on 13.03.2003



Product details

- Trade name: **Chrysal OVB**
- Article number: T539 (P1737)
- 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

Chemical characterization

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

Dangerous components:

CAS: 68424-85-1 EINECS: 270-325-2	<i>N-Alkyl-N,N-dimethyl-N-benzylammonium chloride</i>	 C; R 22-34	2.5-10%
CAS: 85409-23-0 EINECS: 287-090-7	<i>Lauryl-myristyl-dimethyl-ethylbenzyl-ammoniumchloride</i>	 C; R 22-34	2.5-10%

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

Hazard description:



Xi Irritant

- Information concerning particular hazards for human and environment:
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
R 36/38 Irritating to eyes and skin.
- Classification system:
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- After inhalation: *In case of unconsciousness place patient stably in side position for transportation.*
- After skin contact: *Immediately wash with water and soap and rinse thoroughly.*
- After eye contact:
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

(Contd. on page 2)

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(Contd. of page 1)

· **After swallowing:** If symptoms persist consult doctor.

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.

- **Handling:**
- **Information for safe handling:** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Keep out of reach of children.
- **Maximum storage temperature:** 40°C
- **Minimum storage temperature:** 0°C

- **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.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **Respiratory protection:** Not required.

(Contd. on page 3)

GB

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(Contd. of page 2)

Protection of hands:



Protective gloves

- Material of gloves Rubber gloves
- Penetration time of glove material -
- Eye protection:



Tightly sealed goggles

General Information

Form:	Fluid
Colour:	Colourless
Odour:	Characteristic

Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: Undetermined.

Flash point: Not applicable.

Self-igniting: Product is not selfigniting.

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

Density at 25°C: 0.995 g/cm³

Solubility in / Miscibility with water: Fully miscible.

pH-value at 25°C: 7.7

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

- Acute toxicity:
- Primary irritant effect:
 - on the skin: Irritant to skin and mucous membranes.
 - on the eye: Irritating effect.
- Sensitization: No sensitizing effects known.

(Contd. on page 4)

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(Contd. of page 3)

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Irritant

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.

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.

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

Maritime transport IMDG:

Marine pollutant: No

Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

Code letter and hazard designation of product:

Xi Irritant

Risk phrases:

36/38 Irritating to eyes and skin.

Safety phrases:

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

37 Wear suitable gloves.

60 This material and its container must be disposed of as hazardous waste.

National regulations:

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

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.

(Contd. on page 5)

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Trade name: Chrysal OVB

(Contd. of page 4)

- **Relevant R-phrases**
22 Harmful if swallowed.
34 Causes burns.
- **Department issuing MSDS: Department: Regulatory Affairs**
- **Contact: P. Herman**

GB