POKON CHRYSAL

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 04/16/2003 Version: 1 Reviewed on 04/16/2003

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1 Identification of substance

· **Product details**

· **Trade name:** **Chrysal Clear Cut flower food**

· **Article number:** 333Exp (P1611)
· **Application of the substance / the preparation** Cut flower food

· **Manufacturer/Supplier:**
Pokon & Chrysal BV
P.O. Box 5300
1410 AH NAARDEN
The Netherlands
Tel.: +31-(0)35-6955888
Fax: +31-(0)35-6955822

· **Information department:**
Department product registration, environment and safety
Contact: P. Herman
· **Emergency information:** Tel.: +31-(0)35-6955851

2 Composition/Data on components

· **Chemical characterization**
· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:** Void

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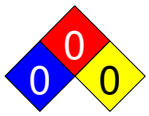
3 Hazards identification

· **Hazard description:** Not applicable.
· **Information pertaining to particular dangers for man and environment:** Not applicable.
· **Classification system:**
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
· **NFPA ratings (scale 0 - 4)**



Health = 0
Fire = 0
Reactivity = 0

· **WHMIS-ratings (scale 0 - 4)**

Health = 0
Fire = 0
Reactivity = 0

4 First aid measures

· **General information:** No special measures required.
· **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:**
Rinse out mouth and then drink plenty of water.

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If symptoms persist consult doctor.

5 Fire fighting measures

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

6 Accidental release measures

· **Person-related safety precautions:** *Not required.*
· **Measures for environmental protection:** *Do not allow to enter sewers/ surface or ground water.*
· **Measures for cleaning/collecting:** *Pick up mechanically.*
· **Additional information:** *No dangerous substances are released.*

7 Handling and storage

· **Handling:**
· **Information for safe handling:** *Prevent formation of dust.*
· **Information about protection against explosions and fires:** *No special measures required.*

· **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:** *None.*

8 Exposure controls and personal protection

· **Additional information about design of technical systems:** *No further data; see item 7.*

· **Components 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 that were valid during the creation were used as basis.*

· **Personal protective equipment:**
· **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
· **Breathing equipment:** *Not required.*
· **Protection of hands:** *Not required.*
· **Material of gloves** -
· **Penetration time of glove material** -
· **Eye protection:** *Not required.*

9 Physical and chemical properties

· **General Information**

Form:	*Solid*
Color:	*White*
Odor:	*Characteristic*

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· **Change in condition** **Melting point/Melting range:** **Boiling point/Boiling range:**	 Undetermined. Undetermined.
· **Flash point:**	Not applicable.
· **Auto igniting:**	Product is not selfigniting.
· **Danger of explosion:**	Product does not present an explosion hazard.
· **Density:**	Not determined.
· **Solubility in / Miscibility with Water:**	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 products of decomposition:** 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.
· **Additional toxicological information:**
The product is not subject to classification according to internally approved calculation methods for preparations:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information

· **General notes:**
Water hazard class 2 (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

13 Disposal considerations

· **Product:**
· **Recommendation:** Smaller quantities can be disposed of with household waste.

· **Uncleaned packagings:**
· **Recommendation:** Disposal must be made according to official regulations.
· **Recommended cleansing agent:** Water, if necessary with cleansing agents.

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14 Transport information

· **DOT regulations:**
· **Hazard class:** -

· **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 Regulations

· **Sara**

· **Section 355 (extremely hazardous substances):**
None of the ingredient is listed.

· **Section 313 (Specific toxic chemical listings):**
None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**
All ingredients are listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**
None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity:**
None of the ingredients is listed.

· **Cancerogenity categories**

· **EPA (Environmental Protection Agency)**
None of the ingredients is listed.

· **IARC (International Agency for Research on Cancer)**
None of the ingredients is listed.

· **NTP (National Toxicology Program)**
None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**
None of the ingredients is listed.

· **MAK (German Maximum Workplace Concentration)**
None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**
None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.

· **Product related hazard informations:**
Observe the general safety regulations when handling chemicals.
The product has been classified and marked in accordance with directives on hazardous materials.

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Trade name: Chrysal Clear Cut flower food

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· ***Safety phrases:***
Keep out of the reach of children.
Avoid contact with skin.
If swallowed, seek medical advice immediately and show this container or label.
Dispose of this material and its container at hazardous or special waste collection point

· ***National regulations:***

· ***Water hazard class:*** *Water hazard class 2 (Self-assessment): 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 product registration, environment and safety*
· ***Contact:*** *P. Herman*
· **** Data compared to the previous version altered.***