

**Safety Data Sheet**  
according to 1907/2006/EC, Article 31

Printing date 16.04.2010

Version: 3

Revision: 16.04.2010

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

- **Product details**
- **Trade name:** Chrysal Clear Professional 2 New Generation T-Bag
- **Article number:** 379.xxx.xxx
- **Application of the substance / the preparation** Cut flower food (professional product)
- **Manufacturer/Supplier:**  
Chrysal International BV  
Postbus 5300  
1410 AH NAARDEN  
Gooimeer 7  
1411 DD NAARDEN  
Tel.: +31 (0)35 6955888  
Fax: +31 (0)35 6955822  
E-mail: info@chrysal.nl
- **Further information obtainable from:** Department: Legal & Regulatory
- **Information in case of emergency:** Tel.: +31 (0)35 6955851

**2 Hazards identification**

- **Information concerning particular hazards for human and environment:**  
No hazards to be particularly mentioned. Please note the information of this Material Safety Data Sheet.
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

**3 Composition/information on ingredients**

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

· **Dangerous components:**

77-92-9	citric acid	Xi; R 36/37/38	10-25%
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- **Additional information:** For the wording of the listed risk phrases refer to section 16.

**4 First-aid measures**

- **After inhalation:** Supply fresh air.
- **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.

**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.

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**6 Accidental release measures**

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Dilute with plenty of water.
- **Measures for cleaning/collecting:** Pick up mechanically.

**7 Handling and storage**

- **Handling:**
- **Information for safe handling:** No special measures required.
- **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:** Not required.
- **Further information about storage conditions:** None.

**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:**  
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:** Not required.
- **Material of gloves -**
- **Penetration time of glove material -**
- **Eye protection:** Not required.

**9 Physical and chemical properties**

· **General Information**

<b>Form:</b>	Solid
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Characteristic

· **Change in condition**

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

· **Flash point:** Not applicable.

· **Ignition temperature:** 1010°C

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

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· <b>Danger of explosion:</b>	<i>Product does not present an explosion hazard.</i>
· <b>Density:</b>	<i>Not determined.</i>
· <b>Solubility in / Miscibility with water:</b>	<i>Insoluble.</i>
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	<i>0.0 %</i>
<b>Water:</b>	<i>8.4 %</i>
· <b>Solids content:</b>	<i>100.0 %</i>

### 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.*
- **Additional toxicological information:**  
*When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.*

### 12 Ecological information

- **Ecotoxicological effects:**
- **Remark:** *Harmful to fish*
- **General notes:**  
*Harmful to aquatic organisms*  
*Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.*  
*Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.*

### 13 Disposal considerations

- **Product:**
- **Recommendation**  
*Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.*

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- **Uncleaned packaging:**
- **Recommendation:**  
Disposal must be made according to official regulations.  
Non contaminated packagings may be treated like household garbage.

**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:** -

- **Transport/Additional information:** Not dangerous according to the above specifications.

**15 Regulatory information**

- **Labelling according to EU guidelines:**  
The substance is not subject to classification according to EU lists and other sources of literature known to us.  
Observe the general safety regulations when handling chemicals.

**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.

- **Relevant R-phrases**  
36/37/38 Irritating to eyes, respiratory system and skin.
- **Department issuing MSDS:** Department: Legal & Regulatory