

Product  
Code: 10002

FLORALIFE 100 CLEAR HYDRATING SOLUTION  
Version: 2

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Date Prepared: 12 July 2007

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance/preparation FLORALIFE 100 CLEAR HYDRATING SOLUTION

Company Identification  
Address  
Telephone No.  
Fax No.  
Contact:  
Information in case of emergency:  
During business hours:  
Other:  
24 hr-Emergency Phone No.:  
Fax No.  
Product Use

Floralife<sup>®</sup> Europe GmbH  
Robert-Bosch-Straße 2  
D-67269 Grünstadt  
GERMANY  
+49 (0) 63 59 80 04-0  
+49 (0) 63 59 80 04-50  
J. Otte  
Floralife<sup>®</sup> Europe GmbH  
Giftnotrufzentrale Universität Mainz  
Langenbergstr. 1  
D-55131 Mainz /GERMANY  
+49 (0) 6131 19 240  
+49 (0) 6131 232 468  
Hydrating solution for cut flowers. For professional use only.

## 2. HAZARDS IDENTIFICATION

Important hazards

- Health/Physical hazards Not classified as having any hazardous effects on contact with skin or eyes, or if swallowed or inhaled.
- Environmental hazards Not classified as having any hazardous effects on the environment.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous component(s)

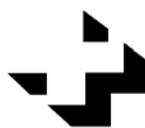
Ingredient	CAS Number	EC Number	%	Symbol	Risk Phrases
Citric acid	77-92-9	201-069-1	5 - 10	Xi	R36

See also Section 16 for definition of R-phrases

## 4. FIRST-AID MEASURES

Product is not likely to present problems, but in case of excessive exposure the following measures may be required:

Skin contact If irritation occurs, wash well with plenty of water. If irritation continues, seek medical advice.



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Eye contact	Flush immediately with plenty of water for at least 15 minutes, keeping eyelids open. If any symptoms develop, seek medical attention.
Ingestion	If any symptoms develop, seek medical advice.
Inhalation	If any symptoms develop, seek medical advice.

#### 5. FIRE-FIGHTING MEASURES

Extinguishing media	
- Suitable	Use any appropriate to surrounding materials
- Not to be used	None
Special exposure hazards	None other than those expected from surrounding materials.
Special protective equipment for fire fighters	Self-contained breathing apparatus

#### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	None required.
Environmental precautions	None required.
Methods for cleaning up	
- on soil	Physically collect containers. In case of liquid spills, absorb onto earth or sand and dispose of according to local regulations.
- on water	Physically collect containers.

#### 7. HANDLING AND STORAGE

Handling	Keep away from children. Avoid contact with eyes. Handle and open containers carefully.
Storage	Store in a cool, dry place. Keep container closed when not in use.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Recommended engineering controls	None required.
Control parameters	None set
Monitoring procedures	None required
Personal protection	
- Respiratory protection	None required
- Skin protection	None required
- Eye protection	None required
- Hand protection	None required

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear colourless to pale yellow liquid
Odour	Negligible
Flash point (°C)	Not flammable
Density at 20°C (kg/m <sup>3</sup> )	1240
Solubility in water	Completely soluble
pH	1.1

*Note: These are typical values and do not constitute a specification.*

## 10. STABILITY AND REACTIVITY

Stability	Stable
Conditions to avoid	Avoid excessive heat
Materials to avoid	None
Hazardous decomposition products	None known. Hazardous polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION

No data available on product but, based in ingredients, not considered hazardous to human health.

## 12. ECOLOGICAL INFORMATION

No data available on product but, based in ingredients, not considered hazardous to the environment.

German WGK Classification                      1 - slightly water endangering

## 13. DISPOSAL CONSIDERATIONS

Disposal of product	Not considered Hazardous Waste. Dispose of according to local regulations.
Disposal of packaging	Not considered Hazardous Waste. Dispose of according to local regulations.

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#### 14. TRANSPORT INFORMATION

Not classified as hazardous for transport.

#### 15. REGULATORY INFORMATION

EU labelling information

- Symbol(s)	None
- R-Phrase(s)	None
- S-Phrase(s)	S2                      Keep out of the reach of children

- EINECS number	All ingredients of this product are listed in EINECS or ELINCS, unless specifically exempted under EU Directive 67/548/EEC
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Specific provisions	None
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#### 16. OTHER INFORMATION

Sources of key data used	CHIP Approved Supply List Suppliers' Safety Data Sheets Literature (Sax & Lewis; Merck Index)
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Version number	2
Date prepared	12 July 2007
Supersedes Version	1
Nature of revision	Conversion to REACH format

R-phrases used in this document	R36                      Irritating to eyes
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Based on EU Regulation 1907/2006

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