



Product  
Code: 10003-05

FLORALIFE 200 CLEAR STORAGE 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 200 CLEAR STORAGE SOLUTION
Company Identification	Floralife <sup>®</sup> Europe GmbH
Address	Robert-Bosch-Straße 2 D-67269 Grünstadt GERMANY
Telephone No.	+49 (0) 63 59 80 04-0
Fax No.	+49 (0) 63 59 80 04-50
Contact:	J. Otte
Information in case of emergency:	
During business hours:	Floralife <sup>®</sup> Europe GmbH
Other:	Giftnotrufzentrale Universität Mainz Langenbergstr. 1 D-55131 Mainz /GERMANY
24 hr-Emergency Phone No.:	+49 (0) 6131 19 240
Fax No.	+49 (0) 6131 232 468
Product Use	Fresh flower food solution. For professional use only.

## 2. HAZARDS IDENTIFICATION

Important hazards	
- Health/Physical hazards	May cause sensitisation by skin contact.
- Environmental hazards	Not classified as having any hazardous effects on the environment.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous component(s)

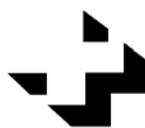
Ingredient	CAS Number	EC Number	%	Symbol	Risk Phrases
Citric acid	77-92-9	201-069-1	2 - 5	Xi	R36
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	247-500-7 220-239-6	0.0015 - 0.06	Xi	R43

See also Section 16 for definition of R-phrases

## 4. FIRST-AID MEASURES

Skin contact	Wash well with plenty of water. If irritation develops, 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	Wear rubber gloves.
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 skin and 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	
Always check applicability with your supplier of protective equipment	
- Respiratory protection	None required
- Skin protection	None required

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|-------------------|---|
| - Eye protection  | None required under normal circumstances, but use goggles when splash hazards exist   |
| - Hand protection | Wear butyl rubber or PVC gloves for prolonged or repeated contact. (Break-through times can vary depending on thickness, use and source. Change gloves regularly) |

## 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	1.6

*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 under normal circumstances of use. However this product contains small amounts of isothiazolinones and is classified under EU regulations as a potential skin sensitiser. Particularly susceptible persons may suffer from irritation and inflammation after contact with this product.

## 12. ECOLOGICAL INFORMATION

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

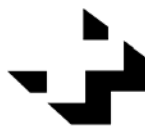
German WGK Classification                      1 - slightly water endangering

## 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.

## 14. TRANSPORT INFORMATION

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Not classified as hazardous for transport.

#### 15. REGULATORY INFORMATION

EU labelling information	Contains isothazoliones
- Symbol(s)	Xi            IRRITANT
- R-Phrase(s)	R43           May cause sensitisation by skin contact
- S-Phrase(s)	S2            Keep out of the reach of children
	S24           Avoid contact with skin
	S37           Wear suitable gloves
- EINECS number	All ingredients of this product are listed in EINECS or ELINCS, unless specifically exempted under EU Directive 67/548/EEC
Specific provisions	None

#### 16. OTHER INFORMATION

Sources of key data used	CHIP Approved Supply List Suppliers' Safety Data Sheets Literature (Sax & Lewis; Merck Index)
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 R43           May cause sensitisation by skin contact

Based on EU Regulation 1907/2006

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