



Product  
Code: 10013/10155

FLORALIFE LEAFSHINE  
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 LEAFSHINE [250/750 ml]
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	Aerosol spray to shine hard leaf foliage on plants or foliage.

## 2. HAZARDS IDENTIFICATION

Important hazards	
- Health/Physical hazards	Extremely flammable.
- Environmental hazards	Not classified as having any hazardous effects on the environment.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

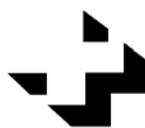
Hazardous component(s)

Ingredient	CAS Number	EC Number	%	Symbol	Risk Phrases
Propane/Butane gas	106-97-9 / 74-98-6	200-827-9 / 203-448-7	40 - 60	F+	R12
iso-paraffins	64741-65-7	265-067-2	15 - 25	Xn	R65-66-53
iso-propanol	67-63-0	200-661-7	5 - 10	F, Xi	R11-36-67

See also Section 16 for definition of R-phrases

## 4. FIRST-AID MEASURES

Skin contact	Wash well with plenty of soap and water. If irritation develops, seek medical advice.
Eye contact	Flush immediately with plenty of water for at least 15 minutes, keeping eyelids open. Seek medical advice.



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Ingestion	DO NOT INDUCE VOMITING. Rinse out mouth but do not give anything to drink. Seek medical attention.
Inhalation	Remove to fresh air, keep patient warm and at rest. In case of irregular breathing or no breathing, apply artificial respiration. If unconscious place in recovery position and seek medical advice. If any symptoms develop, seek medical advice.

#### 5. FIRE-FIGHTING MEASURES

Extinguishing media	
- Suitable	Alcohol resistant foam, CO2, dry powder, water spray.
- Not to be used	Water jet as this will scatter the containers and spread the fire.
Special exposure hazards	None other than those expected from surrounding materials. Exposure to heat may cause bursting of the aerosol containers.
Special protective equipment for fire fighters	Self-contained breathing apparatus.

#### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Remove sources of ignition. See Section 8 for details of protective clothing, etc.
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 as Hazardous Waste.
- on water	Physically collect containers.

#### 7. HANDLING AND STORAGE

Handling	Keep away from children. Avoid sources of ignition. Do not smoke whilst using this product. Avoid contact with skin and eyes. Handle and open containers carefully. Use only in well ventilated area. Vapours are heavier than air so may spread along floors to a remote source of ignition.
Storage	Store in a cool, dry place out of direct sunlight. Keep container closed when not in use.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Recommended engineering controls	Ensure good ventilation.
Control parameters	



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-WEL (EH40UK/2005)

Butane

600ppm 1400mg/m<sup>3</sup> (8 hr TWA)  
750ppm 1810mg/m<sup>3</sup> (15 min STEL)

Monitoring procedures

None required

Personal protection

Always check applicability with your supplier of protective equipment.

- Respiratory protection

None required under normal use conditions. If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators to EN136 fitted with Filter AX.

- Skin protection

None required under normal use conditions.

- Eye protection

None required under normal circumstances, but use goggles when splash hazards exist.

- Hand protection

Wear chemical resistant gloves to EN374. Butyl rubber or PVC gloves may be suitable 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

Aerosol

Odour

Alcoholic

Flash point (°C)

< 0

Density at 20°C (kg/m<sup>3</sup>)

685

Solubility in water

Insoluble

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

## 10. STABILITY AND REACTIVITY

Stability

Stable under recommended storage conditions. See Section

7.

Conditions to avoid

Avoid excessive heat and sources of ignition.

Materials to avoid

Oxidising agents.

Hazardous decomposition products

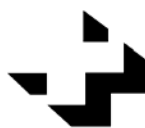
None known. Hazardous polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION

No data available on product but, based in ingredients, not considered hazardous to human health under normal circumstances of use. However inhalation of vapours in high concentrations may lead to irritation of eyes, nose and respiratory tract.

## 12. ECOLOGICAL INFORMATION





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	S23	Do not breathe vapour/spray.
	S24/25	Avoid contact with skin and eyes.
	S51	Use only in well-ventilated areas.
- Special labelling for aerosols	Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.	
- 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 EH40 2005 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	R11	Highly flammable
	R12	Extremely flammable
	R36	Irritating to eyes
	R53	May cause long-term adverse effects in the aquatic environment
	R65	Harmful: may cause lung damage if swallowed
	R66	Repeated exposure may cause skin dryness or cracking
	R67	Vapours may cause drowsiness and dizziness

Based on EU Regulation 1907/2006

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