

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BIRCHLEAFGIV 166/1C C:B-009340

Version 2.1

Revision Date 19 APR 2013

Print Date 19 APR 2013

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Sales No. : BIRCHLEAFGIV 166/1C C:B-0
BIRCHLEAFGIV 166/1C C:B-009340

1.2 Relevant identified uses of the substance or mixture and uses advised against

Intended Use Fragrances : Perfume compound

1.3 Details of the supplier of the safety data sheet

Company :
Givaudan Fragrances Corp.
300 Waterloo Valley Road
International Trade Center
MOUNT OLIVE NJ 07828
UNITED STATES

Telephone : +12152070061
Telefax : +19734486523
E-mail address : global.msds_fragrances_raps@givaudan.com
Responsible/issuing person

1.4 Emergency telephone number

+18669280789

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Skin irritation, Category 2	H315: Causes skin irritation.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Skin sensitization, Category 1	H317: May cause an allergic skin reaction.
Chronic aquatic toxicity, Category 3	H412: Harmful to aquatic life with long lasting effects.

Classification (67/548/EEC, 1999/45/EC)

Sensitising	R43: May cause sensitization by skin contact.
Irritant	R36: Irritating to eyes.
Dangerous for the environment	R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2 Label elements

Administrative information:

Report Information: SDS_EU/EN/GHS_SDS_EU_REGION/10

Sales & Distribution Information: MW01/FR/US13/01

Shipping Order Information: 6256632/2026517

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Givaudan®

BIRCHLEAFGIV 166/1C C:B-009340

Version 2.1

Revision Date 19 APR 2013

Print Date 19 APR 2013

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements : H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P273 Avoid release to the environment.
P280 Wear protective gloves/ eye protection/ face protection.

Response:
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P315 Get immediate medical advice/ attention.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

Hazardous components which must be listed on the label:

- (2E)-3,7-dimethyl-2,6-octadien-1-ol 106-24-1 (geraniol)
- 2-methoxy-4-(2-propen-1-yl)-phenol 97-53-0 (eugenol)
- 3,7-dimethyl-6-octen-1-ol 106-22-9
- (R)-p-mentha-1,8-diene 5989-27-5
- citral 5392-40-5
- 2,6,6-trimethyl-Bicyclo[3.1.1]hept-2-ene (alpha-pinene) 80-56-8
- 2,4-dimethylcyclohex-3-ene-1-carbaldehyde 68039-49-6
- 3,7-dimethyl-6-octen-1-al (citronellal) 106-23-0

Administrative information:

Report Information: SDS_EU/EN/GHS_SDS_EU_REGION/10

Sales & Distribution Information: MW01/FR/US13/01

Shipping Order Information: 6256632/2026517

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Givaudan[®]

BIRCHLEAFGIV 166/1C C:B-009340

Version 2.1

Revision Date 19 APR 2013

Print Date 19 APR 2013

Labelling according to EC Directives (67/548/EEC, 1999/45/EC)

Hazard pictograms :



Irritant

R-phrases(s) :

R36
R43
R52/53

Irritating to eyes.
May cause sensitization by skin contact.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases(s) :

S24
S26

Avoid contact with skin.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37
S60

Wear suitable gloves.
This material and its container must be disposed of as hazardous waste.

Hazardous components which must be listed on the label:

- (2E)-3,7-dimethyl-2,6-octadien-1-ol 106-24-1
(geraniol)
- 2-methoxy-4-(2-propen-1-yl)-phenol 97-53-0
(eugenol)
- 3,7-dimethyl-6-octen-1-ol 106-22-9
- (R)-p-mentha-1,8-diene 5989-27-5
- citral 5392-40-5

2.3 Other hazards

no data available

3. Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
---------------	---	--------------------------------	--	----------------------

Administrative information:

Report Information: SDS_EU/EN/GHS_SDS_EU_REGION/10

Sales & Distribution Information: MW01/FR/US13/01

Shipping Order Information: 6256632/2026517

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BIRCHLEAFGIV 166/1C C:B-009340

Version 2.1

Revision Date 19 APR 2013

Print Date 19 APR 2013

(2E)-3,7-dimethyl-2,6-octadien-1-ol (geraniol)	106-24-1 203-377-1 01-2119552430-49-0001	Xi; R38 Xi; R41 Xi; R43	Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317	>= 5 - < 10
2-methoxy-4-(2-propen-1-yl)-phenol (eugenol)	97-53-0 202-589-1	Xi; R43-R36	Eye Irrit. 2; H319 Skin Sens. 1; H317	>= 5 - < 10
3,7-dimethyl-6-octen-1-ol	106-22-9 203-375-0 01-2119453995-23-0000 01-2119453995-23-0001	N; R51/53 Xi; R43-R38	Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1; H317	>= 2,5 - < 5
Guajacwood acetate	94333-88-7 305-067-2	Xi; R38	Skin Irrit. 2; H315 Eye Irrit. 2; H319	>= 1 - < 5
2-phenylethanol	60-12-8 200-456-2	Xi; R36	Eye Irrit. 2; H319	>= 1 - < 5
3,7-dimethyl-2,6-octadien-1-ol (nerol)	106-25-2 203-378-7	Xi; R38	Skin Irrit. 2; H315 Eye Irrit. 2; H319	>= 1 - < 5
(R)-p-mentha-1,8-diene	5989-27-5 227-813-5	R10 Xi; R38 R43 N; R50-R53 Xn; R65	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Asp. Tox. 1; H304	>= 1 - < 2,5

Administrative information:

Report Information: SDS_EU/EN/GHS_SDS_EU_REGION/10

Sales & Distribution Information: MW01/FR/US13/01

Shipping Order Information: 6256632/2026517

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BIRCHLEAFGIV 166/1C C:B-009340

Version 2.1

Revision Date 19 APR 2013

Print Date 19 APR 2013

citral	5392-40-5 226-394-6 01-2119462829-23-0000	Xi; R38 R43	Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Irrit. 2; H319	>= 1 - < 5
4-(2,6,6-Trimethylcyclohex-1-en-1-yl)but-3-en-2-one (ionone beta)	14901-07-6 238-969-9 01-2119449921-34-0000	N; R51/53	Aquatic Chronic 2; H411	>= 0,1 - < 1
2,6,6-trimethyl-Bicyclo[3.1.1]hept-2-ene (alpha-pinene)	80-56-8 201-291-9 01-2119519223-49-0000	R10 Xi; R38 Xi; R43 Xn; R65	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Asp. Tox. 1; H304	>= 0,1 - < 1
BUTANOIC ACID, 1,1-DIMETHYL-2-PHENYLETHYL	10094-34-5 233-221-8	N; R51/53	Aquatic Chronic 2; H411	>= 0,1 - < 1
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	68039-49-6 268-264-1	R52/53 Xi; R36/38-R43	Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 3; H412 Eye Irrit. 2; H319	>= 0,1 - < 1
3,7-dimethyl-6-octen-1-al (citronellal)	106-23-0 203-376-6 01-2119474900-37-0000	N; R51/53 Xi; R38-R43	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317	>= 0,1 - < 1
2,6-bis(1,1-dimethylethyl)-4-methylphenol	128-37-0 204-881-4 01-2119565113-46-0000	N; R50/53	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0,1 - < 0,25

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

Hydrocarbons : 1,4 %

Administrative information:

Report Information: SDS_EU/EN/GHS_SDS_EU_REGION/10

Sales & Distribution Information: MW01/FR/US13/01

Shipping Order Information: 6256632/2026517

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BIRCHLEAFGIV 166/1C C:B-009340

Version 2.1

Revision Date 19 APR 2013

Print Date 19 APR 2013

4. First aid measures

4.1 Description of first aid measures

- | | |
|-------------------------|---|
| General advice | : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended. |
| If inhaled | : If unconscious place in recovery position and seek medical advice.
If symptoms persist, call a physician. |
| In case of skin contact | : If skin irritation persists, call a physician.
If on skin, rinse well with water.
If on clothes, remove clothes. |
| In case of eye contact | : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Continue rinsing eyes during transport to hospital.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist. |
| If swallowed | : Keep respiratory tract clear.
Do NOT induce vomiting.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
Take victim immediately to hospital. |

4.2 Most important symptoms and effects, both acute and delayed

- | | |
|----------|---------------------|
| Symptoms | : no data available |
| Risks | : no data available |

4.3 Indication of any immediate medical attention and special treatment needed

- | | |
|-----------|---------------------|
| Treatment | : no data available |
|-----------|---------------------|

5. Firefighting measures

5.1 Extinguishing media

- | | |
|------------------------------|--|
| Suitable extinguishing media | : Dry chemical
Alcohol-resistant foam |
|------------------------------|--|

Administrative information:

Report Information: SDS_EU/EN/GHS_SDS_EU_REGION/10

Sales & Distribution Information: MW01/FR/US13/01

Shipping Order Information: 6256632/2026517

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BIRCHLEAFGIV 166/1C C:B-009340

Version 2.1

Revision Date 19 APR 2013

Print Date 19 APR 2013

Carbon dioxide (CO₂)
Water spray

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self contained breathing apparatus for fire fighting if necessary.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

not applicable

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours/dust.

Administrative information:

Report Information: SDS_EU/EN/GHS_SDS_EU_REGION/10

Sales & Distribution Information: MW01/FR/US13/01

Shipping Order Information: 6256632/2026517

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BIRCHLEAFGIV 166/1C C:B-009340

Version 2.1

Revision Date 19 APR 2013

Print Date 19 APR 2013

Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
To avoid spills during handling keep bottle on a metal tray.
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.
Temperature class : no data available
Fire-fighting class : no data available
Dust explosion class : no data available

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Electrical installations / working materials must comply with the technological safety standards.

Further information on storage conditions : no data available
Advice on common storage : no data available
German storage class : no data available
Other data : No decomposition if stored and applied as directed.

7.3 Specific end uses

Specific use(s) : no data available

8. Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Personal protective equipment

Hand protection : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing

Administrative information:

Report Information: SDS_EU/EN/GHS_SDS_EU_REGION/10

Sales & Distribution Information: MW01/FR/US13/01

Shipping Order Information: 6256632/2026517

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BIRCHLEAFGIV 166/1C C:B-009340

Version 2.1

Revision Date 19 APR 2013

Print Date 19 APR 2013

problems.

Skin and body protection : impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

Environmental exposure controls

General advice : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: liquid
Form	: liquid
Colour	: Pale yellow
Taste	: not determined
Odour	: green, Herbaceous, Earthy, Floral
Odour Threshold	: not applicable
Flash point	: 82 °C Method: Pensky-Martens closed cup
Lower explosion limit	: not determined
Upper explosion limit	: not determined
Flammability (solid, gas)	: not applicable
Oxidizing properties	: no data available
Autoignition temperature	: not determined
Decomposition temperature	: no data available
pH	: not determined
Melting point	: not determined
Boiling point	: not determined
Vapour pressure	: 0,1879 hPa at 20 °C Calculated (99,6 %)
Density	: 969,97 kg/m ³ at 20 °C
Bulk density	: not applicable
Water solubility	: not determined
Solubility/qualitative	: practically insoluble
Partition coefficient: n-octanol/water	: not applicable
Viscosity, kinematic	: no data available
Relative vapour density	: no data available
Evaporation rate	: no data available

Administrative information:

Report Information: SDS_EU/EN/GHS_SDS_EU_REGION/10

Sales & Distribution Information: MW01/FR/US13/01

Shipping Order Information: 6256632/2026517

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BIRCHLEAFGIV 166/1C C:B-009340

Version 2.1

Revision Date 19 APR 2013

Print Date 19 APR 2013

Explosive properties : no data available

10. Stability and reactivity

10.1 Reactivity

none

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

10.4 Conditions to avoid

Conditions to avoid : no data available

10.5 Incompatible materials

Materials to avoid : no data available

10.6 Hazardous decomposition products

Hazardous decomposition products : no data available

Thermal decomposition : no data available

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity : No data is available on the product itself.

Acute oral toxicity

(2E)-3,7-dimethyl-2,6-octadien-1-ol (geraniol) : LD50: 3 600 mg/kg Species: rat

2-methoxy-4-(2-propen-1-yl)-phenol (eugenol) : LD50: 1 930 mg/kg Species: rat

LD50: 2 130 mg/kg Species: guinea pig

3,7-dimethyl-6-octen-1-ol : LD50: 3 450 mg/kg Species: rat

Guajacwood acetate : LD50: 5 000 mg/kg Species: rat

Administrative information:

Report Information: SDS_EU/EN/GHS_SDS_EU_REGION/10

Sales & Distribution Information: MW01/FR/US13/01

Shipping Order Information: 6256632/2026517

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BIRCHLEAFGIV 166/1C C:B-009340

Version 2.1

Revision Date 19 APR 2013

Print Date 19 APR 2013

	LD50: > 5 000 mg/kg	Species: rat
2-phenylethanol	: LD50: 1 790 mg/kg	Species: rat
	LD50: 2 540 mg/kg	Species: mouse
	LD50: 2 540 mg/kg	Species: guinea pig
3,7-dimethyl-2,6-octadien-1-ol (nerol)	: LD50: 4 500 mg/kg	Species: rat
(R)-p-mentha-1,8-diene	: LD50: 4 400 mg/kg	Species: rat
	LD50: 5 600 mg/kg	Species: mouse
citral	: LD50: 4 960 mg/kg	Species: rat
4-(2,6,6-Trimethylcyclohex-1-en-1-yl)but-3-en-2-one (ionone beta)	: LD50: 4 590 mg/kg	Species: rat
2,6,6-trimethyl-Bicyclo[3.1.1]hept-2-ene (alpha-pinene)	: LD50: 3 700 mg/kg	Species: rat
BUTANOIC ACID, 1,1-DIMETHYL-2-PHENYLETHYL	: LD50: > 5 000 mg/kg	Species: rat
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	: LD50: > 3 100 mg/kg	Species: rat
3,7-dimethyl-6-octen-1-al (citronellal)	: LD50: 2 420 mg/kg	Species: rat
2,6-bis(1,1-dimethylethyl)-4-methylphenol	: LD50: 2 000 mg/kg	Species: mouse

Acute inhalation toxicity : No data is available on the product itself.

Acute dermal toxicity : No data is available on the product itself.

Acute dermal toxicity

Administrative information:

Report Information: SDS_EU/EN/GHS_SDS_EU_REGION/10

Sales & Distribution Information: MW01/FR/US13/01

Shipping Order Information: 6256632/2026517

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Givaudan[®]**BIRCHLEAFGIV 166/1C C:B-009340**

Version 2.1

Revision Date 19 APR 2013

Print Date 19 APR 2013

(2E)-3,7-dimethyl-2,6-octadien-1-ol (geraniol)	: LD50: > 5 000 mg/kg	Species: rabbit
3,7-dimethyl-6-octen-1-ol	: LD50: 2 650 mg/kg	Species: rabbit
Guajacwood acetate	: LD50: 5 000 mg/kg	Species: rabbit
	LD50: > 5 000 mg/kg	Species: rabbit
2-phenylethanol	: LD50: 790 mg/kg	Species: rabbit
3,7-dimethyl-2,6-octadien-1-ol (nerol)	: LD50: 5 000 mg/kg	Species: rabbit
(R)-p-mentha-1,8-diene	: LD50: > 5 000 mg/kg	Species: rabbit
citral	: LD50: 2 250 mg/kg	Species: rabbit
	LD50: > 2 000 mg/kg	Species: rat
BUTANOIC ACID, 1,1-DIMETHYL-2-PHENYLETHYL	: LD50: > 5 000 mg/kg	Species: rabbit
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	: LD50: 5 000 mg/kg	Species: rabbit
3,7-dimethyl-6-octen-1-al (citronellal)	: LD50: > 2 500 mg/kg	Species: rabbit
2,6-bis(1,1-dimethylethyl)-4-methylphenol	: LD50: > 5 000 mg/kg	Species: rabbit

Acute toxicity (other routes of administration) : No data is available on the product itself.

Skin corrosion/irritation

Skin irritation : Extremely corrosive and destructive to tissue.

Serious eye damage/eye irritation

Eye irritation : May cause irreversible eye damage.

Administrative information:

Report Information: SDS_EU/EN/GHS_SDS_EU_REGION/10

Sales & Distribution Information: MW01/FR/US13/01

Shipping Order Information: 6256632/2026517

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BIRCHLEAFGIV 166/1C C:B-009340

Version 2.1

Revision Date 19 APR 2013

Print Date 19 APR 2013

Respiratory or skin sensitization

Sensitisation : No data is available on the product itself.

Germ cell mutagenicity

Germ cell mutagenicity : No data is available on the product itself.

Carcinogenicity

Carcinogenicity : No data is available on the product itself.

Reproductive toxicity

Reproductive toxicity : No data is available on the product itself.

Target Organ Systemic Toxicant - Single exposure

Target Organ Systemic Toxicant - Single exposure : No data is available on the product itself.

Target Organ Systemic Toxicant - Repeated exposure

Target Organ Systemic Toxicant - Repeated exposure : No data is available on the product itself.

Aspiration hazard

Aspiration toxicity : No data is available on the product itself.

Phototoxicity

Phototoxicity : No data is available on the product itself.

Further information : no data available

12. Ecological information

12.1 Toxicity

Toxicity to fish : no data available

Toxicity to daphnia and other aquatic invertebrates : no data available

Toxicity to algae : no data available

M-Factor

(R)-p-mentha-1,8-diene : 1

M-Factor

2,6,6-trimethyl- : 1

Bicyclo[3.1.1]hept-2-ene

Administrative information:

Report Information: SDS_EU/EN/GHS_SDS_EU_REGION/10

Sales & Distribution Information: MW01/FR/US13/01

Shipping Order Information: 6256632/2026517

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BIRCHLEAFGIV 166/1C C:B-009340

Version 2.1

Revision Date 19 APR 2013

Print Date 19 APR 2013

(alpha-pinene)

M-Factor

2,6-bis(1,1-dimethylethyl)-4-methylphenol : 1

Toxicity to bacteria : no data available

Toxicity to fish (Chronic toxicity) : no data available

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : no data available

Acute aquatic toxicity : no data available

Chronic aquatic toxicity : no data available

Toxicity Data on Soil : no data available

Other organisms relevant to the environment : no data available

12.2 Persistence and degradability

Biodegradability : no data available

12.3 Bioaccumulative potential

Bioaccumulation : no data available

12.4 Mobility in soil

Mobility : no data available

Distribution among environmental compartments : no data available

Additional advice : no data available

Environmental fate and pathways

Physico-chemical removability : no data available

12.5 Results of PBT and vPvB assessment

no data available

12.6 Other adverse effects

Biochemical Oxygen Demand (BOD) : no data available

Dissolved organic carbon (DOC) : no data available

Chemical Oxygen Demand (COD) : no data available

Adsorbed organic bound halogens (AOX) : no data available

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.

Administrative information:

Report Information: SDS_EU/EN/GHS_SDS_EU_REGION/10

Sales & Distribution Information: MW01/FR/US13/01

Shipping Order Information: 6256632/2026517

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BIRCHLEAFGIV 166/1C C:B-009340

Version 2.1

Revision Date 19 APR 2013

Print Date 19 APR 2013

13. Disposal considerations

13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

Dispose of in accordance with local regulations.

14. Transport information

ADR/RID/ADN
Not dangerous goods

IATA/ICAO
Not dangerous goods

IMDG
Not dangerous goods

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Water contaminating class : WGK 2 water endangering
(Germany)

15.2 Chemical Safety Assessment

no data available

16. Other information

Full text of R-phrases referred to under sections 2 and 3

Administrative information:

Report Information: SDS_EU/EN/GHS_SDS_EU_REGION/10

Sales & Distribution Information: MW01/FR/US13/01

Shipping Order Information: 6256632/2026517

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



BIRCHLEAFGIV 166/1C C:B-009340

Version 2.1

Revision Date 19 APR 2013

Print Date 19 APR 2013

R10	Flammable.
R36	Irritating to eyes.
R36/38	Irritating to eyes and skin.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitization by skin contact.
R50	Very toxic to aquatic organisms.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R53	May cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.

Full text of H-Statements referred to under sections 2 and 3.

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Administrative information:

Report Information: SDS_EU/EN/GHS_SDS_EU_REGION/10

Sales & Distribution Information: MW01/FR/US13/01

Shipping Order Information: 6256632/2026517