



MATERIAL SAFETY DATA SHEET

according to REGULATION (EU) No 453/2010, annex I

G 477 Optiflor[®] Ex

Date of issue: 4. 1. 2013

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

1.1. Product identifier

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1.2. Relevant identified uses of the mixture and uses advised against

Water-dilutable spray extraction cleaner, for professional use according to the instructions in the Technical Bulletin.

Process categories (explanations see section 16): PROC 8, PROC 10.

1.3. Details of the supplier of the safety data sheet

Manufacturer:

BUZIL-Werk Wagner GmbH & Co. KG

Fraunhofer Str. 17

D-87700 Memmingen

Tel. + 49 (0) 8331 / 930-6

Fax + 49 (0) 8331 / 930-880

e-mail labor@buzil.de

www.buzil.com

1.4. Emergency telephone number

+49 (0) 8331 / 930-730



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2. Hazards identification

2.1. Classification of the mixture

The product is not hazardous according to the classification rules in Directives 67/548/EEC and 1999/45/EC. Nevertheless its content of hazardous components may cause certain effects mentioned in section 11.

2.2. Label elements (acc. to 1999/45/EC)

Although the product is not classified as hazardous, we recommend observing the safety advices.

S 2 Keep out of the reach of children.

S 46 If swallowed, seek medical advice immediately and show container or label.

2.3. Other hazards

The product does not contain substances which are classified as persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) according to 1907/2006/EG annex XIII.

Foam formation after vomiting bears risk of suffocation.

3. Composition / information on ingredients

Ingredients (according to 648/2004EC):

<5% nonionic surfactants, <5% anionic surfactants, contains preservation agents (Methylchloroisothiazolinone, Methylisothiazolinone, Benzisothiazolinone, 2-Brom-2-nitropropan-1,3-diol) and perfumes (Linalool). Other ingredients: polymers, auxiliary agents.

Hazardous ingredients:

1-5% nonionic surfactants, CAS 169107-21-5, EINECS/ELINCS ---

Xn - Harmful; R 22, R 41

Acute Tox. 4; Eye Dam. 1; H 302, H 318

Acute toxicity:

LD₅₀ (dermal, rat) > 2000 mg / kg

LD₅₀ (oral, rat) > 200 mg / kg

LD₅₀ (inhalation, dust/mist, rat) > 5 mg/l/4h



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4. First aid measures

4.1. Description of first aid measures

Inhalation:

No inhalation exposure is to be expected if the product is used as intended.

Skin contact:

Wash affected areas with soap and water and rinse well.
Take off all contaminated clothing.

Eye contact:

Rinse opened eyes several minutes under running water.

Ingestion:

Wash out mouth with water and drink plenty of water.
Do not induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

See section 11.

4.3. Indication of any immediate medical attention and special treatment needed

Symptomatic treatment. No specific antidote known. Administration of defoaming agent (Dimeticon) in case of ingestion of large quantities.

5. Firefighting measures

5.1. Extinguishing media

Suitable: water jet, alcohol-resistant foam, carbon dioxide, extinguishing powder.
Not suitable: Heavy jet of water.

5.2. Special hazards arising from the substance or mixture

Possible combustion products: carbon dioxide, carbon monoxide.

5.3. Advice for firefighters

Product is not combustible, adjust measures to the general situation.



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6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes and skin.

6.2. Environmental precautions:

Do not allow to enter surface or ground waters.

6.3. Methods and materials for containment and cleaning up

Take up with suitable absorbent material (e. g. sand, diatomite, universal binding agent).
Flush small amounts (up to ca. 10 l) with plenty of water into the sewerage

6.4. Reference to other sections

Follow advices and protective measures mentioned in section 7 and 8.

7. Handling and storage

7.1. Precautions for safe handling

Use only in accordance with the instructions in the Technical Bulletin.
Avoid contact with skin and eyes.
Do not mix with other products.
Do not eat, drink and smoke in work areas.
Wash hands after use.
Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from frost.
Keep away from heat and direct sunlight.
Keep container tightly closed.

Storage Class (VCI): 12.

7.3. Specific end uses

See section 1.2.
GISBAU product code: GT 10.



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8. Exposure controls / personal protection

8.1. Control parameters

See section 3.

8.2. Exposure controls

Personal protection:

Respiratory protection: Not required if used according to the instructions in the Technical Bulletin.

Hand protection: Not required.

Eye protection: Not required.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: liquid

Odour: perfume

pH-value: 6.5 – 7,5

Melting point / melting range: ca. 0 °C

Boiling point / boiling range: ca. 100 °C

Flash point: ---

Density (25 °C): 1,01

Solubility in / miscibility with water: miscible

Viscosity (25 °C): <10 mPas

9.2. Other information

Other physical and chemical data have not been determined.



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10. Stability and reactivity

10.1. Reactivity

No extraordinary reactivity known.

10.2. Chemical stability

The product is stable under normal conditions (room temperature).

10.3. Possibility of hazardous reactions

No hazardous reactions to be expected if used as intended.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

No hazardous incompatibilities known.

10.6. Hazardous decomposition products

None known.

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Acute toxicity of components present at relevant concentrations: see section 3.

Irritation, corrosion, sensitisation

Classification of the product according to 1999/45/EG: see section 2.

Repeated dose toxicity

No data available

Carcinogenicity, mutagenicity, toxicity for reproduction

The product does not contain relevant concentrations of components with carcinogenic, mutagenic and /or toxic for reproduction properties.



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12. Ecological information

12.1. Toxicity

Surfactants: LC₅₀ (fish, daphnia) 1 - 10 mg /l.
Other organic components: LC₅₀ (fish, daphnia) >10 mg /l

12.2. Persistence and degradability

Surfactants:

The surfactants contained in this product comply with the biodegradability criteria as laid down in regulation 648/2004/EC on detergents.

Other organic components:

The biodegradability of the organic ingredients present in this product complies at least with the criteria of OECD 302 B.

12.3. Bioaccumulative potential

The product does not contain relevant concentrations of bioaccumulative components.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

See section 2.3.

12.6. Other adverse effects

A Certificate of Ecology (statement on environmental compatibility) with detailed information on the ecological properties of the product is available on request.

13. Disposal considerations

13.1. Waste treatment methods

After rinsing with plenty of water, empty containers may be recycled, landfilled or burned.

Waste code according to 2000/532/EC (product):
070299

Waste code according to 2000/532/EC (package):
150102



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14. Transport information

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class

Not classified according to ADR.

14.4. Packing group

14.5. Environmental hazards

Not hazardous according to 2.2.9.1.10 ADR.

14.6. Special precautions for user

See section 6 - 8

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not intended for transport in bulk.

15. Regulatory information

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

Volatile organic compounds (VOC) according to 1999/13/EC: <30%.

15.2. Chemical safety assessment

No chemical safety assessment according to 1907/2006/EC, annex I has been carried out for the product.



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16. Other information

Text of R-Phrases (see section 3)

R 10 Flammable.
R 11 Highly flammable.
R 12 Extremely flammable.
R 20 Harmful by inhalation.
R 21 Harmful in contact with skin.
R 22 Harmful if swallowed.
R 34 Causes burns.
R 35 Causes severe burns.
R 36 Irritating to eyes.
R 37 Irritating to respiratory system.
R 38 Irritating to skin.
R 41 Risk of serious damage to eyes.
R 43 May cause sensitisation by skin contact.
R 50 Very toxic to aquatic organisms.
R 51 Toxic to aquatic organisms.
R 52 Harmful to aquatic organisms.
R 53 May cause long-term adverse effects in the environment.
R 65 Harmful: May cause lung damage if swallowed.
R 66 Repeated exposure may cause skin dryness or cracking.
R 67 Vapours may cause drowsiness and dizziness.

Text of hazard statements (see section 3)

H 220 Extremely flammable gas.
H 225 Highly flammable liquid and vapour.
H 226 Flammable liquid and vapour.
H 302 Harmful if swallowed.
H 304 May be fatal if swallowed and enters airways.
H 312 Harmful in contact with skin.
H 314 Causes severe skin burns and eye damage.
H 315 Causes skin irritation.
H 317 May cause an allergic skin reaction.
H 318 Causes serious eye damage.
H 319 Causes serious eye irritation.
H 332 Harmful if inhaled.
H 335 May cause respiratory irritation.
H 336 May cause drowsiness or dizziness.
H 370 Causes damage to organs.
H 373 May cause damage to organs through prolonged or repeated exposure.
H 400 Very toxic to aquatic life.
H 410 Very toxic to aquatic life with long lasting effects.
H 411 Toxic to aquatic life with long lasting effects.
H 412 Harmful to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking..

Process categories according to ECHA guidance on information requirements and chemical safety assessment, chapter R.12

PROC 8 (Transfer): Dilution of concentrated products, application of drain cleaners.
PROC 10 (Roller application or brushing): Processing without large-scale spraying.
PROC 11 (Spraying outside industrial settings): Processing with large-scale spraying (e. g. high pressure cleaning, foam gun).
PROC 19 (Hand-mixing with intimate contact): Hand cleaning and disinfection.