

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Diotrol Protect Plus

Revision date:

Product code: 75105

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Diotrol Protect Plus

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Wood preservatives, active, containing solvents, low in aromatics
/Anwendung gemäss technischem Merkblatt

·
Für breite Öffentlichkeit und berufliche Verwender. Gebinde > 1kg nur für berufliche Verwender.
Moyen de préservation du bois
/ Application voir fiche technique

·
Pour les utilisateurs public et les utilisateurs professionnels. Emballage >1 kg seulement pour les utilisateurs professionnels

1.3. Details of the supplier of the safety data sheet**Manufacturer**

Company name:	Maurolin AG	
Street:	Bodenackerstrasse 64	
Place:	CH-4657 Dulliken	
Telephone:	+41(0)62 285 30 70	Telefax: +41(0)62 285 30 80
e-mail:	info@maurolin.ch	
Internet:	www.diotrol.com	

Supplier

Company name:	Diotrol AG
Street:	Heuriedweg 30 A
Place:	D-88131 Lindau am Bodensee
Telephone:	+49 (0)8382 88 99 310
e-mail:	info@diotrol.com
Internet:	www.diotrol.com

1.4. Emergency telephone number:

CH EU Toxzentrum Zürich, telefon +41 44 251 51 51

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Aspiration hazard: Asp. Tox. 1

Hazardous to the aquatic environment: Aquatic Acute 1

Hazardous to the aquatic environment: Aquatic Chronic 1

Hazard Statements:

May be fatal if swallowed and enters airways.

Very toxic to aquatic life.

Very toxic to aquatic life with long lasting effects.

2.2. Label elements**Regulation (EC) No. 1272/2008**

Signal word: Danger

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Pictograms:



Hazard statements

- H304 May be fatal if swallowed and enters airways.
 H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

- P501 Dispose of contents/container to Entsorgung gemäss den geltenden örtlichen Vorschriften.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P331 Do NOT induce vomiting.
 P273 Avoid release to the environment.
 P271 Use only outdoors or in a well-ventilated area.
 P270 Do not eat, drink or smoke when using this product.
 P262 Do not get in eyes, on skin, or on clothing.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P102 Keep out of reach of children.

Special labelling of certain mixtures

- EUH208 Contains m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate, permethrin. May produce an allergic reaction.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
52645-53-1	m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate, permethrin			< 1 %
	258-067-9			
	Acute Tox. 4, Acute Tox. 4, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H332 H302 H317 H400 H410			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air.

After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Rinse mouth immediately and drink plenty of water.

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

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

Non-flammable. Vapours can form explosive mixtures with air.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

No special measures are necessary.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

Advice on storage compatibility

No special measures are necessary.

7.3. Specific end use(s)

Holzschutzmittel

/Anwendung gemäss technischem Merkblatt

Für breite Öffentlichkeit und berufliche Verwender. Gebinde > 1kg nur für berufliche Verwender.

Moyen de préservation du bois

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Pour les utilisateurs public et les utilisateurs professionnels. Emballage >1 kg seulement pour les utilisateurs professionnels

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

To date, no national critical limit values exist.

8.2. Exposure controls



Protective and hygiene measures

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

Eye/face protection

Wear eye protection/face protection.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid	
Colour:	colourless	
pH-Value:		not determined
Changes in the physical state		
Melting point:		not determined
Initial boiling point and boiling range:		190 °C
Flash point:		63 °C
Flammability		
Solid:		not applicable
Gas:		not applicable
Lower explosion limits:		0.6 vol. %
Upper explosion limits:		7 vol. %
Auto-ignition temperature		
Solid:		not applicable
Gas:		not applicable
Decomposition temperature:		not determined

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Oxidizing properties

Not oxidising.

Vapour pressure: <3 hPa
(at 50 °C)

Density (at 20 °C): 0.8 g/cm³

Water solubility: The study does not need to be conducted
because the substance is known to be
insoluble in water

Solubility in other solvents

not determined

Partition coefficient: not determined

Vapour density: not determined

Evaporation rate: not determined

9.2. Other information

Solid content: not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

none

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
52645-53-1	m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate, permethrin				
	oral	LD50 >2000 mg/kg	Rat	Manufacturer	
	dermal	LD50 >2000 mg/kg	Rat	Manufacturer	
	inhalative vapour	LC50 >0.45 mg/l	Rat	Manufacturer	
	inhalative aerosol	ATE 1.5 mg/l			

Additional information on tests

The mixture is classified as not hazardous according to Directive 1999/45/EC.

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SECTION 12: Ecological information

12.1. Toxicity

The product is not: Ecotoxic.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
52645-53-1	m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate, permethrin					
	Acute fish toxicity	LC50	8.9 mg/l	96 h	Fish	Manufacturer

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation. Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:

UN 3082

14.2. UN proper shipping name:

UMWELTGEFÄHRDENDER STOFF, FLÜSSIG, N.A.G.
(M-PHENOXYBENZYL-3(2,2-DICHLORVINYL)-2,2-DIMETHYLCYCLOPR
OPANCARBOXYLAT)

14.3. Transport hazard class(es):

9

14.4. Packing group:

III

Classification code:

M6

Inland waterways transport (ADN)

14.1. UN number:

UN 3082

14.2. UN proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(PERMETHRIN (ISO))

14.3. Transport hazard class(es):

9

14.4. Packing group:

III

Marine transport (IMDG)

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14.1. UN number: UN 3082
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PERMETHRIN (ISO))
14.3. Transport hazard class(es): 9
14.4. Packing group: III

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 3082
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PERMETHRIN (ISO))
14.3. Transport hazard class(es): 9
14.4. Packing group: III

Hazard label: 9 / N



14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes



14.6. Special precautions for user

none

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

2004/42/EC (VOC): 97.99 % (783.922 g/l)

National regulatory information

Water contaminating class (D): 3 - highly water contaminating

Biocide registry number: CHZN4535

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service
 LC50: Lethal concentration, 50%

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LD50: Lethal dose, 50%

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH208	Contains m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate, permethrin. May produce an allergic reaction.

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)