

Safety Data Sheet

according to UK REACH Regulation

Diotrol Wood Balsam Oil

Revision date: 23.03.2023

Product code: 75600

Page 1 of 8

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Diotrol Wood Balsam Oil

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

Use of the substance/mixture

Interior/exterior trim and cladding paints for wood, metal or plastic

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

GB CLP Regulation

This mixture is not classified as hazardous in accordance with GB CLP Regulation.

2.2. Label elements

GB CLP Regulation

Special labelling of certain mixtures

EUH208	Contains Bis (1,2,2,6,6-pentamethyl-4-piperidiny)sebacate. May produce an allergic reaction.
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2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Safety Data Sheet

according to UK REACH Regulation

Diotrol Wood Balsam Oil

Revision date: 23.03.2023

Product code: 75600

Page 2 of 8

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
	Kohlenwasserstoffe, C10-C13, n-Alkane, iso-Alkane, Cyclisch, < 2% Aromaten			80 - < 85 %
	918-481-9		01-2119457273-39	
	Asp. Tox. 1; H304			
2457-01-4	Barium Bis(2-ethylhexanoate)			< 1 %
	219-535-8			
	Repr. 2, Acute Tox. 4, Acute Tox. 5, Eye Dam. 1; H361d H332 H302 H318			
41556-26-7	Bis (1,2,2,6,6-pentamethyl-4-piperidiny)sebacate			< 1 %
	255-437-1			
	Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H317 H400 H410			
22464-99-9	2-Ethylhexansäure, Zirconium salt			< 1 %
	245-018-1			
	Repr. 2; H361d			

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
	918-481-9	Kohlenwasserstoffe, C10-C13, n-Alkane, iso-Alkane, Cyclisch, < 2% Aromaten	80 - < 85 %
		inhalation: LC50 = >5600000 mg/l (dusts or mists); dermal: LD50 = >3160 mg/kg; oral: LD50 = >5000 mg/kg	
2457-01-4	219-535-8	Barium Bis(2-ethylhexanoate)	< 1 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1.5 mg/l (dusts or mists); oral: ATE = 500 mg/kg	

SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation**

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

After contact with eyes

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

After ingestion

Rinse mouth immediately and drink 1 glass of water.

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**

Safety Data Sheet

according to UK REACH Regulation

Diotrol Wood Balsam Oil

Revision date: 23.03.2023

Product code: 75600

Page 3 of 8

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****General advice**

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**For cleaning up**

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

Other information

Absorb with liquid-binding material (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.

Advice on general occupational hygiene

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

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed.

Hints on joint storage

No special measures are necessary.

7.3. Specific end use(s)

Interior/exterior trim and cladding paints for wood, metal or plastic

SECTION 8: Exposure controls/personal protection

Safety Data Sheet

according to UK REACH Regulation

Diotrol Wood Balsam Oil

Revision date: 23.03.2023

Product code: 75600

Page 4 of 8

8.1. Control parameters

Additional advice on limit values

To date, no national critical limit values exist.

8.2. Exposure controls



Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye/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

Use of 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:	Grün
Odour:	Mild
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	184 °C
Flammability:	not determined
Lower explosion limits:	0.6 vol. %
Upper explosion limits:	6 vol. %
Flash point:	65 °C
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH-Value:	not determined
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 n-octanol/water:	not determined
Vapour pressure:	0.5 hPa
(at 20 °C)	
Density:	0.83 g/cm ³
Relative vapour density:	not determined

9.2. Other information

Information with regard to physical hazard classes

Safety Data Sheet

according to UK REACH Regulation

Diotrol Wood Balsam Oil

Revision date: 23.03.2023

Product code: 75600

Page 5 of 8

Explosive properties

The product is not: Explosive.

Oxidizing properties

The product is not: oxidising.

Other safety characteristics

Evaporation rate:

not determined

Solvent content:

81.9 %

Solid content:

18 %

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 hazard classes as defined in GB CLP Regulation****Acute toxicity**

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
	Kohlenwasserstoffe, C10-C13, n-Alkane, iso-Alkane, Cyclisch, < 2% Aromaten				
	oral	LD50 mg/kg	>5000	Rat	
	dermal	LD50 mg/kg	>3160	Rabbit	
	inhalation (4 h) dust/mist	LC50 0 mg/l	>560000	Ratte	
2457-01-4	Barium Bis(2-ethylhexanoate)				
	oral	ATE mg/kg	500		
	inhalation vapour	ATE	11 mg/l		
	inhalation dust/mist	ATE	1.5 mg/l		

11.2. Information on other hazards**Further information**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information**12.1. Toxicity**

Safety Data Sheet

according to UK REACH Regulation

Diotrol Wood Balsam Oil

Revision date: 23.03.2023

Product code: 75600

Page 6 of 8

The product is not: Ecotoxic.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
	Kohlenwasserstoffe, C10-C13, n-Alkane, iso-Alkane, Cyclisch, < 2% Aromaten					
	Acute fish toxicity	LL50 mg/l	>1000	96 h	Regenbogenforelle	ECHA
	Acute algae toxicity	ErC50 mg/l	>1000	72 h	Alge (Pseudokirchneriella subcapitata)	

12.2. Persistence and degradability

The product has not been tested.

The product has not been tested.				
CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
	Kohlenwasserstoffe, C10-C13, n-Alkane, iso-Alkane, Cyclisch, < 2% Aromaten			
	LC50:	4.3mg/l	4	

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 substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

The product has not been tested.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. 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****Disposal recommendations**

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.

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 or ID number:**

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

14.6. Special precautions for user

No information available.

Safety Data Sheet

according to UK REACH Regulation

Diotrol Wood Balsam Oil

Revision date: 23.03.2023

Product code: 75600

Page 7 of 8

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 75

2010/75/EU (VOC): 81.9 % (680 g/l)

2004/42/EC (VOC): 81.9% (680 g/l)

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Water hazard class (D): 3 - highly hazardous to water

Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

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%

LD50: Lethal dose, 50%

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

RID: Regulations concerning the international carriage of dangerous goods by rail

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container

UVCB: Unknown or Variable Composition, Complex Reaction Products, and Biological Materials

VOC: Volatile Organic Compounds

Safety Data Sheet

according to UK REACH Regulation

Diotrol Wood Balsam Oil

Revision date: 23.03.2023

Product code: 75600

Page 8 of 8

SVHC: Substance of Very High Concern

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

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.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H361d	Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH208	Contains Bis (1,2,2,6,6-pentamethyl-4-piperidiny)sebacate. May produce an allergic reaction.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance 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.)