

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 19.03.2015

Version number 4

Revision: 19.03.2015

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

1.1 Product identifier

Trade name: Osmo Anti-Slip Decking Oil, Clear

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

Application of the substance / the mixture No further relevant information available.

Coating compound/ Surface coating/ paint
Paint

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Osmo Holz und Color GmbH & Co. KG
Affhüppen Esch 12
D-48231 Warendorf

Further information obtainable from:

Product safety department
Phone: +49 (0) 251 / 692 - 188
Fax: +49 (0) 251 / 692 - 462
e-mail: helmut.starp@osmo.de

1.4 Emergency telephone number:

emergency phone no. Berlin (24h): +49 (0) 30 / 30686 790 advisory service in German and English

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists and extended by company and literature data.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms

Void

Signal word

Void

Hazard statements

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

(Contd. on page 2)

Safety data sheet
 according to 1907/2006/EC, Article 31

Printing date 19.03.2015

Version number 4

Revision: 19.03.2015

Trade name: Osmo Anti-Slip Decking Oil, Clear

(Contd. of page 1)

Additional information: P271 Use only outdoors or in a well-ventilated area.
 P262 Do not get in eyes, on skin, or on clothing.
 P273 Avoid release to the environment.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Observe the general safety regulations when handling chemicals.
 Always wear a dust mask when sanding.
 Contains propiconazole, 2-butanonoxime. May produce an allergic reaction.

Information concerning particular hazards for human and environment:

Warning:
 Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of self-ignition)

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****3.2 Mixtures****Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

CAS: 64742-48-9 EC number: 918-481-9 Index number: 649-327-00-6 Reg.nr.: 01-2119457273-39	aliphatic hydrocarbons, C10-C13  Xn R65 R66  Asp. Tox. 1, H304	25-50%
CAS: 127519-17-9 ELINCS: 407-000-3 Index number: 607-281-00-4 Reg.nr.: 01-0000015648-61	A mixture of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethyl-ethyl)-4-hydroxyphenyl]propionates  N R51/53  Aquatic Chronic 2, H411	<2.5%
CAS: 60207-90-1 EINECS: 262-104-4 Index number: 613-205-00-0	propiconazole  Xn R22;  Xi R43;  N R50/53  Aquatic Acute 1, H400;  Aquatic Chronic 1, H410;  Acute Tox. 4, H302; Skin Sens. 1, H317	<1%

Additional information: For the wording of the listed risk phrases refer to section 16.**SECTION 4: First aid measures****4.1 Description of first aid measures**

General information: Take affected persons out into the fresh air.
 Immediately remove any clothing soiled by the product.

After inhalation: Supply fresh air; consult doctor in case of complaints.

(Contd. on page 3)

Safety data sheet
 according to 1907/2006/EC, Article 31

Printing date 19.03.2015

Version number 4

Revision: 19.03.2015

Trade name: Osmo Anti-Slip Decking Oil, Clear

(Contd. of page 2)

After skin contact: Immediately wash with water and soap and rinse thoroughly.
 If skin irritation continues, consult a doctor.

After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing: Induce vomiting only, if affected person is fully conscious.
 If swallowed, seek medical advice immediately and show this container or label.

4.2 Most important symptoms and effects, both acute and delayed Headache
 Disziness

4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters
Protective equipment: No special measures required.
Additional information Cool endangered receptacles with water spray.
 Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation
 Keep away from ignition sources.

6.2 Environmental precautions: Inform respective authorities in case of seepage into water course or sewage system.
 Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up: Warm water and cleansing agent
 Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

6.4 Reference to other sections See Section 13 for disposal information.
 No dangerous substances are released.

SECTION 7: Handling and storage

7.1 Precautions for safe handling Keep receptacles tightly sealed.
 Use only in well ventilated areas.

(Contd. on page 4)

Safety data sheet
 according to 1907/2006/EC, Article 31

Printing date 19.03.2015

Version number 4

Revision: 19.03.2015

Trade name: Osmo Anti-Slip Decking Oil, Clear

(Contd. of page 3)

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
Storage:

Requirements to be met by storerooms and receptacles: Store only in the original receptacle.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Store receptacle in a well ventilated area.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

34590-94-8 (2-methoxymethylethoxy)propanol

WEL	Long-term value: 0.1 mg/m ³ as Co; Carc
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Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Do not eat, drink, smoke or sniff while working.
 Do not carry product impregnated cleaning cloths in trouser pockets.
 Avoid contact with the eyes and skin.

Respiratory protection:

Use suitable respiratory protective device only when aerosol or mist is formed.
 Not necessary if room is well-ventilated.
 Short term filter device:

Filter A/P2

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

(Contd. on page 5)

Safety data sheet
 according to 1907/2006/EC, Article 31

Printing date 19.03.2015

Version number 4

Revision: 19.03.2015

Trade name: Osmo Anti-Slip Decking Oil, Clear

(Contd. of page 4)

Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact gloves made of the following materials are suitable:

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.4 mm

For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 374 Part 3: Level 6).

As protection from splashes gloves made of the following materials are suitable:

Nitrile rubber, NBR

Eye protection:

If risk of splashing:

Safety glasses according to EN 166:2001 (e.g. densely closing frame glasses with side protection)

Body protection:

Protective work clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form: Fluid

Colour: Colourless

Odour: Characteristic

Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 180 °C

Flash point: > 61 °C (DIN EN ISO 2719)

Ignition temperature: 240 °C

Self-igniting: Product is not selfigniting.

Danger of explosion: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Explosion limits:

Lower: 0.7 Vol %

Upper: 6.0 Vol %

Vapour pressure at 20 °C: 1 hPa

Density at 20 °C: 0.9 -1.0 g/cm³ (DIN 51757)

(Contd. on page 6)

Safety data sheet
 according to 1907/2006/EC, Article 31

Printing date 19.03.2015

Version number 4

Revision: 19.03.2015

Trade name: Osmo Anti-Slip Decking Oil, Clear

(Contd. of page 5)

Solubility in / Miscibility with water:

Not miscible or difficult to mix.

Viscosity:

Kinematic at 20 °C:

20-30 s (DIN 53211/4mm)

> 30 s (ISO 3mm)

Solvent content:

VOC (EC)

< 500 g/l (VOC-max. = 500 g/l (2010 A/i))

9.2 Other information

No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions

Reacts with fabric soaked in the product (e.g. cleaning wool).

Reacts with acids, alkalis and oxidising agents.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials:

No further relevant information available.

10.6 Hazardous decomposition products:

Formation of toxic gases is possible during heating or in case of fire.

Carbon monoxide and carbon dioxide

Nitrogen oxides (NOx)

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

64742-48-9 aliphatic hydrocarbons, C10-C13

Oral	LD50	> 5000 mg/kg (rat) (OECD 401)
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Dermal	LD50	> 5000 mg/kg (rat) (OECD 402)
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Inhalative	LC50 / 4h	21 mg/l (rat) (OECD 403)
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127519-17-9 A mixture of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethyl-ethyl)-4-hydroxyphenyl]propionates

Inhalative	LC50 / 4h	>5 mg/l (rat)
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(Contd. on page 7)

Safety data sheet
 according to 1907/2006/EC, Article 31

Printing date 19.03.2015

Version number 4

Revision: 19.03.2015

Trade name: Osmo Anti-Slip Decking Oil, Clear

(Contd. of page 6)

60207-90-1 propiconazole

Oral	LD50	1517 mg/kg (rat) (OECD- Prüfrichtlinie 401)
Dermal	LD50	> 4000 mg/kg (rat)
Inhalative	LC50 / 4h	5.8 mg/l (rat) (403 Acute Inhalation Toxicity)

Primary irritant effect:

on the skin: At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

on the eye: not tested

Sensitisation: Sensitising effect by skin contact is possible by prolonged exposure.

Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

Sensitisation Contains propiconazole, 2-butanonoxime. May produce an allergic reaction.

SECTION 12: Ecological information

12.1 Toxicity**Aquatic toxicity:**

127519-17-9 A mixture of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethyl-ethyl)-4-hydroxyphenyl]propionates

Biokonz.-Faktor	<3 (-) (OECD-Richtlinie 305 C)
EC50 / 48h	3.2 mg/l mg/l (daphnia) (OECD-Richtlinie 202, Teil 1)

60207-90-1 propiconazole

EC50 / 48h	10.2 mg/l (daphnia) (202 Daphnia sp. acute Immobilization)
EC50/ 72h	9 mg/l (algae) (201 Alga Growth, Inhibition Test (Biomasse))
LC50 / 48h	10.2 mg/l (fish)
LC50 / 96h	4.3 mg/l (fish) (203 Fish Acute Toxicity)

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Additional ecological information:

General notes: Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
 Danger to drinking water if even small quantities leak into the ground.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

(Contd. on page 8)

Safety data sheet
 according to 1907/2006/EC, Article 31

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Version number 4

Revision: 19.03.2015

Trade name: Osmo Anti-Slip Decking Oil, Clear

(Contd. of page 7)

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue

08 01 11*	waste paint and varnish containing organic solvents or other dangerous substances
15 01 10*	packaging containing residues of or contaminated by dangerous substances

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number

ADR, ADN, IMDG, IATA Void

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA Void

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class Void

14.4 Packing group

ADR, IMDG, IATA Void

14.5 Environmental hazards:

Marine pollutant: No

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code Not applicable.

UN "Model Regulation":

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SECTION 15: Regulatory information

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

National regulations:

VOC (EC) < 500 g/l (VOC-max. = 500 g/l (2010 A/i))

(Contd. on page 9)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 19.03.2015

Version number 4

Revision: 19.03.2015

Trade name: Osmo Anti-Slip Decking Oil, Clear

(Contd. of page 8)

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

- H302 Harmful if swallowed.
 H304 May be fatal if swallowed and enters airways.
 H317 May cause an allergic skin reaction.
 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.
 R22 Harmful if swallowed.
 R43 May cause sensitisation by skin contact.
 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.
 R65 Harmful: may cause lung damage if swallowed.
 R66 Repeated exposure may cause skin dryness or cracking.

Department issuing MSDS:

product safety department

Contact:

Hr. Dr. Starp

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 Harmonised 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 (division of the American Chemical Society)
 VOC: Volatile Organic Compounds (USA, EU)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 Acute Tox. 4: Acute toxicity, Hazard Category 4
 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
 Asp. Tox. 1: Aspiration hazard, Hazard Category 1
 Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1
 Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1
 Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2
 Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

*** Data compared to the previous version altered.**

