

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/28/2018

Reviewed on 05/28/2018

1 Identification

Product identifier
Trade name: Osmo Anti-Slip Decking Oil, Clear

Article number: 430

Application of the substance / the mixture

 Coating compound/ Surface coating/ paint
 Paint

Details of the supplier of the safety data sheet
Manufacturer/Supplier: Osmo Holz und Color GmbH & Co. KG
 Affhüppen Esch 12
 D-48231 Warendorf
 Germany

Information department:

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

Emergency telephone number:

 24h-Emergency Phone Number:
 For Chemical Emergency, Spill; Leak; Fire Exposure or Accident Call Day or Night
 within USA and Canada 1-800-424-9300
 Outside USA and Canada 001-703-527-3887 (WISAG FMO cargo Services GmbH &
 Co.KG)

2 Hazard(s) identification

Classification of the substance or mixture

Flam. Liq. 4 H227 Combustible liquid.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Label elements
GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms


GHS07

Signal word

Warning

Hazard-determining components of labeling:

 propiconazole
 H227 Combustible liquid.
 H317 May cause an allergic skin reaction.

Hazard statements
Precautionary statements

 P102 Keep out of reach of children.
 P101 If medical advice is needed, have product container or label at hand.
 P210 Keep away from flames and hot surfaces. – No smoking.
 P261 Avoid breathing mist/vapours/spray.

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/28/2018

Reviewed on 05/28/2018

Trade name: Osmo Anti-Slip Decking Oil, Clear

(Contd. of page 1)

P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves / eye protection.
 P302+P352 If on skin: Wash with plenty of soap and water.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.
 P403+P235 Store in a well-ventilated place. Keep cool.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information: Observe the general safety regulations when handling chemicals.
 Always wear a dust mask when sanding.

Classification system:

NFPA ratings (scale 0 - 4) Health = 0

Fire = 2

Reactivity = 0

HMIS-ratings (scale 0 - 4) Health = 0

Fire = 2

Reactivity = 0

Other hazards CAUTION: Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water filled metal container to prevent this.

Results of PBT and vPvB assessment



PBT: Not applicable.

vPvB: Not applicable.

3 Composition/information on ingredients

Chemical characterization: Mixtures

Description: Mixture of the substances listed below with nonhazardous additions.

Dangerous components:			
64742-48-9	aliphatic hydrocarbons, C10-C13	 Asp. Tox. 1, H304; Flam. Liq. 4, H227	25-50%
34590-94-8	Dipropylene glycol monomethyl ether	Flam. Liq. 4, H227	2.5-10%
60207-90-1	propiconazole	 Acute Tox. 4, H302; Skin Sens. 1, H317	≤1%

4 First-aid measures

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.

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.

(Contd. on page 3)

Safety Data Sheet
acc. to OSHA HCS



Printing date 05/28/2018

Reviewed on 05/28/2018

Trade name: Osmo Anti-Slip Decking Oil, Clear

(Contd. of page 2)

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

Information for doctor:
Most important symptoms and effects, both acute and delayed Headache
Dizziness

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

5 Fire-fighting measures

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

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

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.

6 Accidental release measures

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

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.

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

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

Protective Action Criteria for Chemicals

PAC-1:		
64742-48-9	aliphatic hydrocarbons, C10-C13	350 mg/m ³
34590-94-8	Dipropylene glycol monomethyl ether	150 ppm
PAC-2:		
64742-48-9	aliphatic hydrocarbons, C10-C13	1,800 mg/m ³

(Contd. on page 4)

Safety Data Sheet
acc. to OSHA HCS

Printing date 05/28/2018

Reviewed on 05/28/2018

Trade name: Osmo Anti-Slip Decking Oil, Clear

(Contd. of page 3)

34590-94-8	Dipropylene glycol monomethyl ether	1700* ppm
PAC-3:		
64742-48-9	aliphatic hydrocarbons, C10-C13	40,000 mg/m ³
34590-94-8	Dipropylene glycol monomethyl ether	9900** ppm

7 Handling and storage

Handling:

Precautions for safe handling Keep receptacles tightly sealed.
Use only in well ventilated areas.
No special measures required.

Information about protection against explosions and fires: No special measures required.

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.

Storage class: 10

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

8 Exposure controls/personal protection

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

Control parameters

Components with limit values that require monitoring at the workplace:

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

34590-94-8 Dipropylene glycol monomethyl ether

PEL	Long-term value: 600 mg/m ³ , 100 ppm Skin
REL	Short-term value: 900 mg/m ³ , 150 ppm Long-term value: 600 mg/m ³ , 100 ppm Skin

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/28/2018

Reviewed on 05/28/2018

Trade name: Osmo Anti-Slip Decking Oil, Clear

(Contd. of page 4)

TLV	Short-term value: 909 mg/m ³ , 150 ppm Long-term value: 606 mg/m ³ , 100 ppm Skin
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Additional information: The lists that were valid during the creation were used as basis.

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.

Breathing equipment:

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.

Penetration time of glove material The exact break trough 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

(Contd. on page 6)

Safety Data Sheet
acc. to OSHA HCS

Printing date 05/28/2018

Reviewed on 05/28/2018

Trade name: Osmo Anti-Slip Decking Oil, Clear

(Contd. of page 5)

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form:	Fluid
Color:	Colorless
Odor:	Characteristic

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	180 °C (356 °F)

Flash point: > 61 °C (>141.8 °F) (DIN EN ISO 2719)

Ignition temperature: 240 °C (464 °F)

Auto igniting: Product is not selfigniting.

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

Explosion limits:

Lower:	0.7 Vol %
Upper:	6.0 Vol %

Vapor pressure at 20 °C (68 °F): 1 hPa (0.8 mm Hg)

Density at 20 °C (68 °F): 0.9 -1.0 g/cm³ (7.511-8.345 lbs/gal) (DIN 51757)

Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

Viscosity:

Dynamic:	Not determined.
Kinematic:	>21 mm ² /s (40°C)

Solvent content:

VOC content: 10.1 %
465.1 g/l / 3.88 lb/gal

Other information No further relevant information available.

10 Stability and reactivity

Reactivity No further relevant information available.

Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/28/2018

Reviewed on 05/28/2018

Trade name: Osmo Anti-Slip Decking Oil, Clear

(Contd. of page 6)

Possibility of hazardous reactions Reacts with fabric soaked in the product (e.g. cleaning wool).
Reacts with acids, alkalis and oxidizing agents.

Conditions to avoid No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: Formation of toxic gases is possible during heating or in case of fire.
Carbon monoxide and carbon dioxide
Nitrogen oxides (NO_x)

11 Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification:

64742-48-9 aliphatic hydrocarbons, C10-C13

Oral	LD50	> 5000 mg/kg (rat) (OECD 401)
Dermal	LD50	> 5000 mg/kg (rat) (OECD 402)
Inhalative	LC50 / 4h	21 mg/l (rat) (OECD 403)

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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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: No irritating effect.

Sensitization: Sensitizing effect by skin contact is possible with prolonged exposure.

Additional toxicological information:

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

Carcinogenic categories

IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

NTP (National Toxicology Program)

None of the ingredients is listed.

(Contd. on page 8)

Safety Data Sheet
acc. to OSHA HCS

Printing date 05/28/2018

Reviewed on 05/28/2018

Trade name: Osmo Anti-Slip Decking Oil, Clear

(Contd. of page 7)

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

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

EC50 / 48h	3.2 mg/l mg/l (daphnia) (OECD-Richtlinie 202, Teil 1)
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Biokonz.-Faktor	<3 (OECD-Richtlinie 305 C)
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60207-90-1 propiconazole

EC50 / 48h	10.2 mg/l (daphnia) (202 Daphnia sp. acute Immobilization)
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EC50/ 72h	9 mg/l (algae) (201 Alga Growth, Inhibition Test (Biomasse))
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LC50 / 96h	4.3 mg/l (fish) (203 Fish Acute Toxicity)
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LC50 / 48h	10.2 mg/l (fish)
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Persistence and degradability No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Additional ecological information:

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

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods

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

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

(Contd. on page 9)

Safety Data Sheet
acc. to OSHA HCS

Printing date 05/28/2018

Reviewed on 05/28/2018

Trade name: Osmo Anti-Slip Decking Oil, Clear

(Contd. of page 8)

14 Transport information

UN-Number DOT, ADR, ADN, IMDG, IATA	Void
UN proper shipping name DOT, ADR, ADN, IMDG, IATA	Void
Transport hazard class(es) DOT, ADR, ADN, IMDG, IATA Class	Void
Packing group DOT, ADR, IMDG, IATA	Void
Environmental hazards: Marine pollutant:	No
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
UN "Model Regulation":	Void

15 Regulatory information

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

Section 355 (extremely hazardous substances):

None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

60207-90-1 | propiconazole

TSCA (Toxic Substances Control Act):

All ingredients are listed.

TSCA new (21st Century Act) (Substances not listed)

60207-90-1 | propiconazole

Proposition 65

Chemicals known to cause cancer:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

(Contd. on page 10)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/28/2018

Reviewed on 05/28/2018

Trade name: Osmo Anti-Slip Decking Oil, Clear

(Contd. of page 9)

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

Carcinogenicity categories

EPA (Environmental Protection Agency)

None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms



GHS07

Signal word

Warning

Hazard-determining components of labeling:

propiconazole

Hazard statements

H227 Combustible liquid.

H317 May cause an allergic skin reaction.

Precautionary statements

P210 Keep away from flames and hot surfaces. – No smoking.

P261 Avoid breathing mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves / eye protection.

P302+P352 If on skin: Wash with plenty of soap and water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

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.

Department issuing SDS: product safety department

Contact: Hr. Dr. Starp

Date of preparation / last revision 05/28/2018 / 4

(Contd. on page 11)

Safety Data Sheet
acc. to OSHA HCS

Printing date 05/28/2018

Reviewed on 05/28/2018

Trade name: Osmo Anti-Slip Decking Oil, Clear

(Contd. of page 10)

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
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
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)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Flam. Liq. 4: Flammable liquids – Category 4
Acute Tox. 4: Acute toxicity – Category 4
Skin Sens. 1: Skin sensitisation – Category 1
Asp. Tox. 1: Aspiration hazard – Category 1