



Reviewed on 05/28/2018

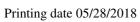
Product identifier	
Trade name:	Osmo Anti-Slip Decking Oil, Clear
Article number:	430
Application of the substance / the	e
mixture	Coating compound/ Surface coating/ paint
	Paint
Details of the supplier of the safe	ety data sheet
Manufacturer/Supplier:	Osmo Holz und Color GmbH & Co. KG
	Affhüppen Esch 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 Nig
	within USA and Canada 1-800-424-9300
	Outside USA and Canada 001-703-527-3887 (WISAG FMO cargo Services Gmbh
	Co.KG)

#### 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	$\wedge$		
	GHS07		
Signal word	Warning		
Hazard-determining components			
of labeling:	propiconazole		
Hazard statements	H227 Combustible liquid.		
	H317 May cause an allergic skin reaction.		
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)		





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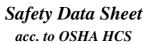
US

de name: Osmo Anti-Sli	p Decking On, Clear
	(Contd. of page
	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/nation
	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 spontaneous
	catch fire if improperly discarded. Immediately after use, place rags, steel wool
	waste in a sealed water filled metal container to prevent this.
Results of PBT and vPvB asses	-
<i>PBT:</i>	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%

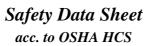
Description of first aid meas	SUPPS
General information:	Take affected persons out into the fresh air.
·	Immediately remove any clothing soiled by the product.
After inhalation:	Supply fresh air; consult doctor in case of complaints.
After skin contact:	Immediately wash with water and soap and rinse 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





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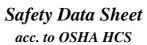
After swallowing:	(Contd. of page Induce vomiting, only if affected person is fully conscious. If swallowed, seek medical advice immediately and show this container or label.	
Information for doctor:		
Most important symptoms and		
effects, both acute and delayed	Headache	
	Dizziness	
Indication of any 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	
	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 offi	
	regulations.	
6 Accidental release measure	S	
5 Accidental release measure Personal precautions, protective	\$	
	\$	
Personal precautions, protective	<i>s</i> Ensure adequate ventilation	
Personal precautions, protective equipment and emergency	Ensure adequate ventilation Keep away from ignition sources	
Personal precautions, protective equipment and emergency	Ensure adequate ventilation Keep away from ignition sources Inform respective authorities in case of seepage into water course or sewage system.	
Personal precautions, protective equipment and emergency procedures Environmental precautions:	Ensure adequate ventilation Keep away from ignition sources	
Personal precautions, protective equipment and emergency procedures Environmental precautions: Methods and material for	Ensure adequate ventilation Keep away from ignition sources Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.	
Personal precautions, protective equipment and emergency procedures Environmental precautions:	Ensure adequate ventilation Keep away from ignition sources Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water. Warm water and cleansing agent	
Personal precautions, protective equipment and emergency procedures Environmental precautions: Methods and material for containment and cleaning up:	Ensure adequate ventilation Keep away from ignition sources Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water. Warm water and cleansing agent Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders)	
Personal precautions, protective equipment and emergency procedures Environmental precautions: Methods and material for	Ensure adequate ventilation Keep away from ignition sources Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water. Warm water and cleansing agent Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders See Section 13 for disposal information.	
Personal precautions, protective equipment and emergency procedures Environmental precautions: Methods and material for containment and cleaning up: Reference to other sections	Ensure adequate ventilation Keep away from ignition sources Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water. Warm water and cleansing agent Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders See Section 13 for disposal information. No dangerous substances are released.	
Personal precautions, protective equipment and emergency procedures Environmental precautions: Methods and material for containment and cleaning up: Reference to other sections Protective Action Criteria for Ch	Ensure adequate ventilation Keep away from ignition sources Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water. Warm water and cleansing agent Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders See Section 13 for disposal information. No dangerous substances are released.	
Personal precautions, protective equipment and emergency procedures Environmental precautions: Methods and material for containment and cleaning up: Reference to other sections Protective Action Criteria for Ch PAC-1:	Ensure adequate ventilation Keep away from ignition sources Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water. Warm water and cleansing agent Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders See Section 13 for disposal information. No dangerous substances are released. <i>emicals</i>	
Personal precautions, protective equipment and emergency procedures   Environmental precautions:   Methods and material for containment and cleaning up:   Reference to other sections   Protective Action Criteria for Ch   PAC-1:   64742-48-9   aliphatic hydrocarbo	Ensure adequate ventilation Keep away from ignition sources Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water. Warm water and cleansing agent Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders See Section 13 for disposal information. No dangerous substances are released. emicals ms, C10-C13 350 mg/	
Personal precautions, protective equipment and emergency procedures   Environmental precautions:   Methods and material for containment and cleaning up:   Reference to other sections   Protective Action Criteria for Ch   PAC-1:   64742-48-9   aliphatic hydrocarbo   34590-94-8	Ensure adequate ventilation Keep away from ignition sources Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water. Warm water and cleansing agent Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders See Section 13 for disposal information. No dangerous substances are released. emicals ms, C10-C13 350 mg/	
Personal precautions, protective equipment and emergency procedures   Environmental precautions:   Methods and material for containment and cleaning up:   Reference to other sections   Protective Action Criteria for Ch   PAC-1:   64742-48-9   aliphatic hydrocarbo	Ensure adequate ventilation Keep away from ignition sources Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water. Warm water and cleansing agent Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders See Section 13 for disposal information. No dangerous substances are released. emicals ms, C10-C13	





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	<i>me</i> . <i>Solito 1P</i>	Decking Oil, Clear	
2450	0.04.010: 1 1 1		(Contd. of pag
	0-94-8 Dipropylene glycol	monomethyl ether	1700* ppn
PAC	-3:		
6474	2-48-9 aliphatic hydrocarbo	ons, C10-C13	40,000 mg/1
3459	0-94-8 Dipropylene glycol	monomethyl ether	9900** ppn
' Han	ndling and storage		
Hand	dling:		
	autions for safe handling	Keep receptacles tightly sealed.	
	-	Use only in well ventilated areas.	
		No special measures required.	
Infor	rmation about protection		
agair	nst explosions and fires:	No special measures required.	
		uding any incompatibilities	
Stora D	•		
-	uirements to be met by	Store only in the original recorded	
	rooms and receptacles:	Store only in the original receptacle.	
•	rmation about storage in on		
	non storage facility:	Not required.	
	her information about	Stars recontacle in a well wantilated area	
	ge conditions: age class:	Store receptacle in a well ventilated area.	
	ific end use(s)	No further relevant information available.	
1			
Exp	osure controls/persona	l protection	
	tional information about		
desig	gn of technical systems:	No further data; see item 7.	
Cont	rol parameters		
Com	ponents with limit values th	at	
requi	ire monitoring at the		
work	place:	The following constituent is the only constituent of the product	which has a PEL, T
		or other recommended exposure limit.	
		At this time, the other constituents have no known exposure lim	its.
3459	0-94-8 Dipropylene glycol	monomethyl ether	
	Long-term value: 600 mg/r	n³, 100 ppm	
PEL	Skin		
PEL	1	m <sup>3</sup> 150 ppm	
	Short-term value: 900 mg/r	11, 150 ppm	
	Short-term value: 900 mg/r Long-term value: 600 mg/r		
	Short-term value: 900 mg/r Long-term value: 600 mg/r Skin		





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TLV Short-term value: 909 mg	
Long-term value: 606 mg	g/m³, 100 ppm
Skin	
Additional information:	The lists that were valid during the creation were used as basis.
Exposure controls	
Personal protective equipment	f:
General protective and hygien	ic
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 substar
	the preparation.
	Selection of the glove material on consideration of the penetration times, rates
	diffusion and the degradation
Material of gloves	The selection of the suitable gloves does not only depend on the material, but also
	further marks of quality and varies from manufacturer to manufacturer. As the proc
	is a preparation of several substances, the resistance of the glove material can no
	calculated in advance and has therefore to be checked prior to the application.
Penetration time of glove mate	erial The exact break trough time has to be found out by the manufacturer of the protect
	gloves and has to be observed.
For the permanent contact glo	wes
made of the following materia	ls
are suitable:	Nitrile rubber, NBR
	Recommended thickness of the material: $\geq 0.4$ mm
	For the mixture of chemicals mentioned below the penetration time has to be at le
	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 s protection)
Body protection:	Protective work clothing



### Safety Data Sheet acc. to OSHA HCS

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#### Printing date 05/28/2018 Trade name: Osmo Anti-Slip Decking Oil, Clear 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) > 61 °C (>141.8 °F) (DIN EN ISO 2719) Flash point: Ignition temperature: 240 °C (464 °F) Product is not selfigniting. Auto igniting: Product is not explosive. However, formation of explosive air/vapor mixtures are Danger of explosion: possible. **Explosion limits:** 0.7 Vol % Lower: 6.0 Vol % Upper: 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

Not miscible or difficult to mix. Water: Viscosity: Dynamic: Not determined. Kinematic: >21 mm²/s (40°C) Solvent content: **VOC** content: 10.1 % 465.1 g/l / 3.88 lb/gl 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.

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US

Safety Data Sheet acc. to OSHA HCS



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D		the Dense with Claim 1 at 1	(Contd. of pag	
Conditions to avoid Incompatible materials:			Reacts with fabric soaked in the product (e.g. cleaning wool).	
		Reacts with acids, alkalis and oxid No further relevant information av		
-	s decompos			
products:		Formation of toxic gases is possible	e during heating or in case of fire.	
-		Carbon monoxide and carbon diox		
		Nitrogen oxides (NOx)		
Toxicolo	gical info	nation		
		gical effects		
Acute toxi	-	e relevant for classification:		
		vdrocarbons, C10-C13		
Oral	LD50	5000 mg/kg (rat) (OECD 401)		
Dermal		5000 mg/kg (rat) (OECD 402)		
		mg/l (rat) (OECD 403)		
			(2H-benzotriazol-2-yl)-5-(1,1-dimethyl-ethyl)-	
12/31/-1/		nenyl]propionates		
Inhalative	LC50 / 4h	5 mg/l (rat)		
60207-90-	1 propicon	ole		
Oral	LD50	517 mg/kg (rat) (OECD- Prüfrichtlinie 401)		
Dermal	LD50	4000 mg/kg (rat)		
Inhalative	LC50 / 4h	8 mg/l (rat) (403 Acute Ihalation Toxicity)		
Primary ir on the skir		At long or repeated contact with	skin it may cause dermatitis due to the degreas	
on me ski	••	effect of the solvent.	shin a may cause dormatics due to the degreas	
on the eye.	•	No irritating effect.		
Sensitizati		•	s possible with prolonged exposure.	
	toxicologi			
informatio	n:		ng to specifications, the product does not have sperience and the information provided to us.	
Carrie		C C	spenence and the mormation provided to us.	
-	nic categor			
		ency for Research on Cancer)		
	e ingredien			
		ogy Program)		
None of th	e ingredien	s listed.		

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### Safety Data Sheet acc. to OSHA HCS



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# Trade name: Osmo Anti-Slip Decking Oil, Clear

#### OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

# 12 Ecological information

Toxicity

	of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethyl-ethyl)- enyl]propionates		
EC50 / 48h 3.2 mg/l	3.2 mg/l mg/l (daphnia) (OECD-Richtlinie 202, Teil 1)		
BiokonzFaktor <3 (OEC	<3 (OECD-Richtlinie 305 C)		
60207-90-1 propiconazo	le		
EC50 / 48h 10.2 mg	10.2 mg/l (daphnia) (202 Daphnia sp. acute Immobilization)		
EC50/ 72h 9 mg/l (	9 mg/l (algae) (201 Alga Growth, Inhibition Test (Biomasse))		
LC50 / 96h 4.3 mg/l	4.3 mg/l (fish) (203 Fish Acute Toxicity)		
LC50 / 48h 10.2 mg	10.2 mg/l (fish)		
Persistence and degradal	<i>vility</i> No further relevant information available.		
Behavior in environment	al systems:		
Bioaccumulative potentia	<i>d</i> No further relevant information available.		
Mobility in soil	No further relevant information available.		
Additional ecological info	ormation:		
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.		
<i>Other adverse effects</i> 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:	Disposal must be made according to official regulations.
Recommendation:	(Contd. on page 9)

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### 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 Void Class Packing group Void DOT, ADR, IMDG, IATA 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)

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## Safety Data Sheet acc. to OSHA HCS



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		(Contd. of pa	
Chemicals known to cause rep	roductive tox		
None of the ingredients is listed			
Chemicals known to cause dev	-	xicity:	
None of the ingredients is listed			
Cancerogenity categories			
EPA (Environmental Protectio	n Agency)		
None of the ingredients is listed	l.		
TLV (Threshold Limit Value e	stablished by	ACGIH)	
None of the ingredients is listed	-	`	
NIOSH-Ca (National Institute	for Occupati	onal Safety and Health)	
None of the ingredients is listed	• •		
GHS label elements		duct is classified and labeled according to the Globally Harmonized Sy	
Ond more contents	(GHS).		
Hazard pictograms			
	GHS07		
Signal word	Warning		
Hazard-determining componen	nts		
of labeling:		propiconazole	
Hazard statements		H227 Combustible liquid.	
		ay 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.	
		52 If on skin: Wash with plenty of soap and water.	
		313 If skin irritation or rash occurs: Get medical advice/attention.	
		P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.	
		35 Store in a well-ventilated place. Keep cool.	
	P501	Dispose of contents/container in accordance with local/regional/nati international regulations.	
Chemical safety assessment:	A Chemi	cal 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 departmentContact:Hr. Dr. StarpDate of preparation / last revision05/28/2018 / 4

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Safety Data Sheet acc. to OSHA HCS



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#### Trade name: Osmo Anti-Slip Decking Oil, Clear (Contd. of page 10) ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement Abbreviations and acronyms: 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