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For further information please either give us a call or visit the manufacturer's website.

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Registered in England under Company No: 03746590 VAT No: 765 9995 45



UV-PROTECTION-OIL TINTS

Protected perfectly against the sun – transparent, lightly pigmented UV protection for outdoor areas!



424 Spruce, transparent
425 Oak, transparent
426 Larch, transparent
427 Douglas Fir, transparent
428 Cedar, transparent
429 Natural, transparent

PRODUCT DESCRIPTION

Transparent, lightly pigmented and satin, natural oil based wood finish for exterior use. Microporous surface allows the wood to breathe and reduces swelling and shrinkage. Water-repellent surface will not crack, peel, flake or blister. As top coat on already colour treated wood, Osmo UV-Protection-Oil Tints prolongs the renovation intervals significantly. As a single product application, it blocks the greying process on vertical surfaces with a UV protection factor 12 in comparison to untreated wood when two coats are applied.

Osmo UV-Protection-Oil Tints is furnished with active ingredients to protect the coating against mould, algae and fungal attack. Without sanding, simply re-coat. Easy and seamless application. Finish stays workable while coating.

RECOMMENDED USE

Osmo UV-Protection-Oil Tints is ideal for all vertical wood surfaces in outdoor areas: doors, windows, window shutters (dimensionally stable elements), carports, timber cladding, balconies, fences, pergolas, and summer houses (dimensionally unstable elements). Also suitable for bamboo poles (e.g. in screens).

INGREDIENTS

Based on natural plant oils (sunflower oil, soya oil, thistle oil and linseed oil), iron oxide and organic pigments, titanium dioxide (white pigment), siccatives (drying agents) and additives, biocidal active ingredient: Propiconazole. Dearomatized white spirit (benzene-free). EU limit value for this product (cat. A/e): 400 g/l VOC (2010). This product contains max. 400 g/l VOC. Detailed declaration of ingredients available upon request.



TECHNICAL DATA

Specific gravity: 0.90-1.0 g/cm³
Viscosity: >50s DIN EN ISO 2431/3 mm, viscid
Odour: faint/mild, after drying odourless
Flash point: >60°C according to DIN EN ISO 2719

STORAGE

Up to 5 years and longer if can is kept dry and closed tightly. If thickened by frost, store for 24-36 hours at room temperature before use.

SURFACE PREPARATION

Wood surface must be clean, dry and frost-free (moisture content max. 20%). UV-Protection-Oil Tints is ready to use. Do not thin. Stir well before use. If possible, please apply first coat to all sides before installation.

For renovation works, clean old microporous stains thoroughly – if necessary sand lightly. Clean and re-store already greyed or weathered wood at the same time with Osmo Wood Reviver Power-Gel. Old paints and lacquers must be completely removed. As a general rule, wear a dust mask during sanding works. Do not sand smooth surfaces finer than grit P120.

The finished surface is influenced by several factors, including the condition of the wood. Therefore, a trial application is always required, especially for unfamiliar surfaces.

Fresh, especially hardwood rich in extractives needs to weather off for approximately 6 weeks after installation. Thereby the wood becomes absorbent and the oil finish adheres optimally.

If additional protection against blue stain, rot and insects is desired, pre-treat the wood if possible on all sides with Osmo WR Base Coat.



METHODS OF APPLICATION

With Osmo Flat Brush or Microfibre Roller, apply thinly along the wood grain and spread well.

Allow to dry for approx. 12 hours under good ventilation.

Then apply the second coat.

Alternatively the second coat can also be carried out with UV-Protection-Oil Extra Clear.

When recoating colour treated surfaces, or for renovation works, one coat applied to the clean and dry surface is usually sufficient.

CLEANING OF TOOLS

With Osmo Brush Cleaner (free of aromatic compounds).

DRYING TIME

Approx. 12 hours (normal climatic conditions, 23 °C/ 50 % rel. humidity). Lower temperatures and/or higher air humidity can increase the drying time. Ventilate well while drying.

COVERAGE

1 litre covers approx. 18 m² with one coat.

Coverage depends significantly on the condition of the wood. All information refers to smooth and planed/sanded surfaces. Other surfaces may lead to differences in coverage.

NOTE

Depending on the degree of weathering, apply one coat of Osmo UV-Protection-Oil Tints to the cleaned and intact finish after approx. 3-4 years.

For areas exposed to strong weathering, such as weatherboard, post caps or window sills, please expect significantly shorter renovation intervals.

Vertical elements mounted onto horizontal wood should have at least a 15 degree angle. Sharp edges must be rounded (radius > 2 mm).

If the greying process has already begun, degrey the surface with Osmo Wood Reviver Power Gel and re-finish with 2 coats of Osmo UV-Protection-Oil Tints.

To achieve the UV protection factor 12, it is necessary to apply 2 coats of UV-Protection-Oil Tints. With only one coat on untreated wood, the life of the coating is significantly shorter.

Osmo UV-Protection-Oil Tints is furnished with biocides and therefore it is only to be used in outdoor areas. The added active ingredients delay or minimize the risk of algae and fungal attack. For effective protection, two coats are to be carried out. In accordance with the latest technical research, permanent protection against algae and fungal attack cannot be provided.

Osmo UV-Protection-Oil Tints Natural 429 protects wood nearly invisibly. The natural wood tone is preserved - it does not enhance the the natural colour tone of the wood (no permanent wet effect).

On dark/reddish wood species, Osmo UV-Protection-Oil Tints Natural is visible as slightly white chalky surface. A trial application is always recommended.

CAUTION

Keep out of the reach of children. Do not get in eyes, on skin, or on clothing. Contains propiconazole. May produce an allergic reaction. If medical advice is needed, have product container or label at hand. Use only outdoors or in a well-ventilated area. Harmful to aquatic life with long lasting effects. Avoid release to the environment. Warning: Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of self-ignition). Safety data sheet available on request.

DISPOSAL

Dispose of leftover product and completely emptied packaging according to local official guidelines (waste code number 08 01 11). Only completely emptied cans can be recycled.

COLOUR TONES

424 Spruce, transparent

425 Oak, transparent

426 Larch, transparent

427 Douglas Fir, transparent

428 Cedar, transparent

429 Natural, transparent

CAN SIZES

0.75 L; 2.5 L; 25 L

The above mentioned information is provided to the best of our knowledge however without any liability.

Version 02/17

Material Safety Data Sheets
according to 1907/2006/EC, Article 31

Printing date 23.05.2018

Version number 1

Revision: 23.05.2018

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

1.1 Product identifier

Trade name:**UV-Protection-Oil Tints****Article number:**

424 Spruce, 425 Oak, 426 Larch, 427 Douglas, 428 Cedar, 429 Natural

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

advised against

No further relevant information available.

Application of the substance / the mixture

Paint

Coating compound/ Surface coating/ 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.

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.

P262 Do not get in eyes, on skin, or on clothing.

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

P273 Avoid release to the environment.

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

Additional information:

Observe the general safety regulations when handling chemicals.

Always wear a dust mask when sanding.

Contains propiconazole. May produce an allergic reaction.

(Contd. on page 2)

Material Safety Data Sheets
 according to 1907/2006/EC, Article 31

Printing date 23.05.2018

Version number 1

Revision: 23.05.2018

Trade name: UV-Protection-Oil Tints

(Contd. of page 1)

2.3 Other hazards

Warning:

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

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:**

EC number: 918-481-9 Index number: 649-327-00-6 Reg.nr.: 01-2119457273-39	aliphatic hydrocarbons, C10-C13 ----- ☠ Asp. Tox. 1, H304	20-<25%
CAS: 34590-94-8 EINECS: 252-104-2 Reg.nr.: 01-2119450011-60	Dipropylene glycol monomethyl ether substance with a Community workplace exposure limit	10-<25%
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 ----- ☠ Aquatic Chronic 2, H411	<3%
CAS: 60207-90-1 EINECS: 262-104-4 Index number: 613-205-00-0	propiconazole ----- ☠ 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 hazard 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.

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

Dizziness

(Contd. on page 3)

Trade name: UV-Protection-Oil Tints

(Contd. of page 2)

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.

For safety reasons unsuitable extinguishing agents:

Water with full jet

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 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep receptacles tightly sealed.
Use only in well ventilated areas.

Information about fire - and explosion protection:

No special measures required.

(Contd. on page 4)

Trade name: UV-Protection-Oil Tints

(Contd. of page 3)

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.

Storage class: 10

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:

aliphatic hydrocarbons, C10-C13

TWA (8 H)	Long-term value: 1.000 mg/m ³ , 150 ppm ppm Source: UK SIA
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34590-94-8 Dipropylene glycol monomethyl ether

WEL	Long-term value: 308 mg/m ³ , 50 ppm Sk
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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:

Gas filter EN 14387 Type A (organic gas / vapor (boiling point > 65 ° C)).

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

(Contd. on page 5)

Trade name: UV-Protection-Oil Tints

(Contd. of page 4)

Penetration time of glove material calculated in advance and has therefore to be checked prior to the application. 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

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

Nitrile rubber, NBR

Eye protection:

Goggles recommended during refilling

Body protection:

Protective work clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

<i>Form:</i>	Fluid
<i>Colour:</i>	According to product specification
<i>Odour:</i>	Mild
<i>Odour threshold:</i>	Not determined.

pH-value: Not determined.

Change in condition

<i>Melting point/freezing point:</i>	Undetermined.
<i>Initial boiling point and boiling range:</i>	> 180 °C

Flash point: > 61 °C (DIN 53213)

Flammability (solid, gas): Not applicable.

Ignition temperature: Undetermined

Decomposition temperature: Not determined.

Auto-ignition temperature: Product is not selfigniting.

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

Explosion limits:

<i>Lower:</i>	0.7 Vol %
<i>Upper:</i>	14.0 Vol %

Vapour pressure at 20 °C: 0.4 hPa

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

(Contd. on page 6)

Material Safety Data Sheets
according to 1907/2006/EC, Article 31

Printing date 23.05.2018

Version number 1

Revision: 23.05.2018

Trade name: UV-Protection-Oil Tints

(Contd. of page 5)

Relative density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with water:	Not miscible or difficult to mix.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic at 20 °C:	60-80 s (DIN 53211/4 m)
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity	No further relevant information available.
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).
10.4 Conditions to avoid	No further relevant information available.
10.5 Incompatible materials:	No further relevant information available.
10.6 Hazardous decomposition products:	Carbon monoxide and carbon dioxide Nitrogen oxides (NO _x)

SECTION 11: Toxicological information

11.1 Information on toxicological effects	
Acute toxicity	Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:**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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Primary irritant effect:

Skin corrosion/irritation At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

(Contd. on page 7)

Trade name: UV-Protection-Oil Tints

(Contd. of page 6)

Respiratory or skin sensitisation	Based on available data, the classification criteria are not met.
Sensitisation	Contains propiconazole. May produce an allergic reaction.
CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)	
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
STOT-single exposure	Based on available data, the classification criteria are not met.
STOT-repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.

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

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

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 / 96h	4.3 mg/l (fish) (203 Fish Acute Toxicity)
LC50 / 48h	10.2 mg/l (fish)

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.

Ecotoxicological effects:

Remark: Harmful to fish

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.
Harmful to aquatic organisms

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)

Trade name: UV-Protection-Oil Tints

(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 Marpol and the IBC Code

Not applicable.

UN "Model Regulation":

Void

SECTION 15: Regulatory information

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

National regulations:

VOC (EC) < 400 g/l (VOC-max. Cat A/e (2010) = 400 g/l)

(Contd. on page 9)

Material Safety Data Sheets
 according to 1907/2006/EC, Article 31

Printing date 23.05.2018

Version number 1

Revision: 23.05.2018

Trade name: UV-Protection-Oil Tints

(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.

Department issuing SDS:

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)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Acute Tox. 4: Acute toxicity – Category 4
 Skin Sens. 1: Skin sensitisation – Category 1
 Asp. Tox. 1: Aspiration hazard – Category 1
 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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