



WOOD FINISHES DIRECT

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For purchasing information visit:
[Osmo Natural Oil Woodstain - Matt](#)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 31.03.2020

Version number 18.3

Revision: 07.02.2020

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

1.1 Product identifier

Trade name: 701 Osmo Natural Oil Woodstain

1.2 Relevant identified uses

of the substance or mixture

and uses 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

Tel.: +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

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:

EUH208 Contains propiconazole. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

2.3 Other hazards

Observe the general safety regulations when handling chemicals.

Always wear a dust mask when sanding.

Warning:

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

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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 Reg.nr.: 01-2119457273-39	aliphatic hydrocarbons, C10-C13 ☠ Asp. Tox. 1, H304	25-50%
CAS: 34590-94-8 EINECS: 252-104-2 Reg.nr.: 01-2119450011-60	Dipropylene glycol monomethyl ether substance with a Community workplace exposure limit	3-<10%
CAS: 60207-90-1 EINECS: 262-104-4 Index number: 613-205-00-0	propiconazole ☠ Repr. 1B, H360D; ☠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317	<0.3%

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: Immediately remove any clothing soiled by the product.

Take affected persons out into the fresh air.

After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm.

Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

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:

If swallowed, seek medical advice immediately and show this container or label.

Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Headache

Dizziness

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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:

Mouth respiratory protective device.

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.

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).
 Ensure adequate ventilation.

6.4 Reference to other sections

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.

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Keep away from heat and direct sunlight.
Prevent formation of aerosols.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.
Store in a cool location.

Information about storage in one common storage facility:

Do not store together with alkalis (caustic solutions).
Do not store together with oxidising and acidic materials.

Further information about storage conditions:

Store receptacle in a well ventilated area.
Protect from frost.
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.

Storage class:

VCI storage class (VCI = German Association of the Chemical Industry): 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.
Immediately remove all soiled and contaminated clothing
Keep away from foodstuffs, beverages and feed.
Avoid contact with the eyes and skin.
Do not inhale gases / fumes / aerosols.

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Respiratory protection:	Use suitable respiratory protective device only when aerosol or mist is formed. Not necessary if room is well-ventilated. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Half mask with round thread connection EN 148-1 (screw-on filter) and combination filter A1 - P2 according to German DIN EN 14387.
Protection of hands:	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.
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 16523-1:2015: Level 6).
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:

Form:	Fluid
Colour:	Colourless
Odour:	Mild

Change in condition

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

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

Ignition temperature: 240 °C

Auto-ignition temperature: Product is not selfigniting.

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Explosive properties:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	0.6 Vol %
Upper:	7.0 Vol %
Density at 20 °C:	0.97-0.99 g/cm ³ (DIN 51757)
Solubility in / Miscibility with water:	Not miscible or difficult to mix.
Viscosity:	
Dynamic:	Not determined.
Kinematic at 20 °C:	25-35 s (DIN EN ISO 2431/4mm) >21 mm ² /s (40°C) (calculated)
Solvent content:	
VOC (EC)	< 400 g/l (VOC-max. Cat A/e (2010) = 400 g/l)
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). 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:	Carbon monoxide and carbon dioxide Nitrogen oxides (NO _x)
Additional information:	Warning: Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of self-ignition)

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met.

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LD/LC50 values relevant for classification:**aliphatic hydrocarbons, C10-C13**

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rat)
Inhalative	LC50 / 4h	>5 mg/l (rat)

34590-94-8 Dipropylene glycol monomethyl ether

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>19,020 mg/kg (rat) 13,000–14,000 mg/kg (rabbit)
Inhalative	LC50 / 4h	1,667 mg/l (rat)
	LC50 / 72h	0.76 mg/l (senastrum capricornutum)

60207-90-1 propiconazole

Oral	LD50	1,517 mg/kg (rat) (OECD- Prüfrichtlinie 401)
Dermal	LD50	>4,000 mg/kg (rat)
Inhalative	LC50 / 4h	5.8 mg/l (rat) (403 Acute Inhalation Toxicity)

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.

60207-90-1 propiconazole

Dermal	Skin irritation	
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Serious eye damage/irritation**60207-90-1 propiconazole**

Eye irritation	
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Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation**60207-90-1 propiconazole**

Dermal	sensitization	(guinea pigs)
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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.

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SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

aliphatic hydrocarbons, C10-C13

EC50 / 48h	>1,000 mg/l (daphnia)
IC50 / 72h	>1,000 mg/l (algae)
LC50 / 96h	>1,000 mg/l (fish)

34590-94-8 Dipropylene glycol monomethyl ether

EC50 / 48h (Static)	1,919 mg/l (daphnia)
LC50 / 96h	5.3 mg/l (Oncorhynchus mykiss (Regenbogenforelle))
LC50 / 48h	10.2 mg/l (Oncorhynchus mykiss (Regenbogenforelle))

60207-90-1 propiconazole

EC50 / 48h	10.2 mg/l (daphnia) (Daphnia sp. Acute Immobilisation Test)
EC50/ 72h	0.76 mg/l (algae) (Freshwater Alga Growth Inhibition Test)
LC50 / 96h	4.3 mg/l (fish) (Fish Acute Toxicity Test)
LC50 / 48h	10.2 mg/l (fish)

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

60207-90-1 propiconazole

log POW	3.72 (Potential niedrig bis medium)
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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.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

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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.

Recommended cleansing

agents: Solvent naphtha

SECTION 14: Transport information
14.1 UN-Number

ADR, ADN, IMDG, IATA Not applicable

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA Not applicable

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class Not applicable

14.4 Packing group

ADR, IMDG, IATA Not applicable

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":

Not applicable

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)

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**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.
 H360D May damage the unborn child.
 H400 Very toxic to aquatic life.
 H410 Very 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)
 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
 Acute Tox. 4: Acute toxicity - oral – Category 4
 Skin Sens. 1: Skin sensitisation – Category 1
 Repr. 1B: Reproductive toxicity – Category 1B
 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 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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