

Safety Data Sheet

in accordance with HSNO

Printing date 15.10.2019

Version number 18.3

Revision: 15.10.2019

SECTION 1: Identification of the substance or mixture and of the supplier

1.1 Product identifier

Trade name:

Osmo Natural Oil Woodstain

Article number:

700 Pine, 702 Larch, 703 Mahogany, 704 Chestnut, 706 Oak, 707 Walnut, 708 Teak, 710 Stone Pine, 712 Ebony, 727 Rosewood, 728 Red Cedar, 729 Fir Green, 900 White, 903 Basalt Grey, 905 Patina, 1415 Gard Green

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:

 National Poison Centre: 0800 764 766 (0800 POISON)
 Chemcall 24/7 Emergency Response Service: 0800 243 622 (0800 CHEMCALL)
 Emergency Services (Fire, Ambulance, Police): Dial 111

Importer

 Osmo NZ Ltd.
 218H Marua Road
 Mt Wellington
 AUCKLAND 1051
 Phone: +64 (0) 9 951 6010
 Email: info@osmo.co.nz

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 4 H227 Combustible liquid.

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

Additional information: HSNO Classes: 3.1D; 9.1C

2.2 Label elements

Hazard pictograms

Void

Signal word

Warning

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Hazard statements

H227 Combustible liquid.

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.

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

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.

P280 Wear protective gloves.

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 national regulations.

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)

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	aliphatic hydrocarbons, C10-C13 ⚠ Asp. Tox. 1, H304; Flam. Liq. 4, H227	25–50%
CAS: 34590-94-8 EINECS: 252-104-2	Dipropylene glycol monomethyl ether Flam. Liq. 4, H227; Acute Tox. 5, H333	2.5–10%
CAS: 60207-90-1 EINECS: 262-104-4	propiconazole ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317; Acute Tox. 5, H313; Acute Tox. 5, H333	≤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.

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- 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:** 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

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Fire fighting 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.

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**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).
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.
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:

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.

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8.1 Control parameters

**Ingredients with limit values
that require monitoring at the
workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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.

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:

Protection of hands:

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

Nitrile rubber, NBR

**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

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Fluid
Colour:	According to product specification
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.

Explosive properties: Product does not present an explosion hazard.

Explosion limits:

Lower: 0.6 Vol %

Upper: 7.0 Vol %

Vapour pressure: Not determined.

Density at 20 °C: 0.96-1.05 g/cm³ (DIN 51757)

Solubility in / Miscibility with

water: Not miscible or difficult to mix.

Viscosity:

Dynamic: Not determined.

Kinematic at 20 °C: 30-60 s (DIN EN ISO 2431/3mm)

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.

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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.

LD/LC50 values relevant for classification:**64742-48-9 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 (selenastrum 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****60207-90-1 propiconazole**

Dermal	Hautreizung	
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Based on available data, the classification criteria are not met.

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

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

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Respiratory or skin sensitisation
60207-90-1 propiconazole

Dermal | Sensibilisierung | (guinea pigs)

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

Sensitisation Contains propiconazole. May produce an allergic reaction.

CMR effects (carcinogenity, 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:
64742-48-9 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)

12.4 Mobility in soil

No further relevant information available.

Ecotoxicological effects:
Remark:

Harmful to fish

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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.

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.

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

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SECTION 15: Regulatory information

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

New Zealand Inventory of Chemicals

All ingredients are listed.

HSNO Approval numbers

34590-94-8	Dipropylene glycol monomethyl ether	HSR001402
60207-90-1	propiconazole	HSR003109

Directive 2012/18/EU

Named dangerous

substances - ANNEX I

None of the ingredients is listed.

National regulations:

Marking in accordance with biocide guideline 98/8/EG

60207-90-1	propiconazole	<3 g/kg
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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

H227 Combustible liquid.
 H302 Harmful if swallowed.
 H304 May be fatal if swallowed and enters airways.
 H313 May be harmful in contact with skin.
 H317 May cause an allergic skin reaction.
 H333 May be harmful if inhaled.

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
 Flam. Liq. 4: Flammable liquids – Category 4

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Acute Tox. 4: Acute toxicity – Category 4
Acute Tox. 5: Acute toxicity – Category 5
Skin Sens. 1: Skin sensitisation – Category 1
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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

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