

**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**

**Application of the substance / the mixture**

No further relevant information available.

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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|   |   |
|---|---|
| <b>Hazard statements</b>                  | H227 Combustible liquid.<br>H412 Harmful to aquatic life with long lasting effects.   |
| <b>Precautionary statements</b>           | P101 If medical advice is needed, have product container or label at hand.<br>P102 Keep out of reach of children.<br>P210 Keep away from flames and hot surfaces. No smoking.<br>P262 Do not get in eyes, on skin, or on clothing.<br>P271 Use only outdoors or in a well-ventilated area.<br>P273 Avoid release to the environment.<br>P280 Wear protective gloves.<br>P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.<br>P403+P235 Store in a well-ventilated place. Keep cool.<br>P501 Dispose of contents/container in accordance with national regulations. |
| <b>2.3 Other hazards</b>                  | Observe the general safety regulations when handling chemicals.<br>Always wear a dust mask when sanding.<br>Warning:<br>Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of self-ignition)   |
| <b>Results of PBT and vPvB assessment</b> |   |
| <b>PBT:</b>                               | Not applicable.   |
| <b>vPvB:</b>                              | Not applicable.   |

### SECTION 3: Composition/Information on ingredients

#### 3.2 Mixtures

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

| <b>Dangerous components:</b>            |   |         |
|---|---|---------|
| CAS: 64742-48-9<br>EC number: 918-481-9 | aliphatic hydrocarbons, C10-C13<br> Asp. Tox. 1, H304; Flam. Liq. 4, H227                        | 25–50%  |
| CAS: 34590-94-8<br>EINECS: 252-104-2    | Dipropylene glycol monomethyl ether<br>Flam. Liq. 4, H227; Acute Tox. 5, H333   | 2.5–10% |
| CAS: 60207-90-1<br>EINECS: 262-104-4    | propiconazole<br> 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:

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**

##### **Penetration time of glove material**

Nitrile rubber, NBR

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:  $\geq 0.4$  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 (NOx)

**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 | Hautzeitung |

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

**Serious eye damage/irritation**

**60207-90-1 propiconazole**

Augenreizung |

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 (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:**

##### **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 |
|------------|---------------|---------|

##### **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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