

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 07.04.2015

Version number 17

Revision: 07.04.2015

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

**1.1 Product identifier**

**Trade name:** Osmo Natural Oil Woodstain

**Article number:** 700 Pine, 702 Larch, 703 Mahogany, 706 Oak, 707 Walnut, 708 Teak, 710 Stone Pine, 712 Ebony, 727 Rosewood, 728 Red Cedar, 729 Fir Green, 731 Oregon Pine, 732 Light Oak, 900 White, 903 Basalt Grey, 905 Patina, 906 Pearl Grey, 907 Quartz Grey

**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.

**Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

**Classification system:**

The classification is according to the latest editions of the EU-lists and extended by company and literature data.

**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.

(Contd. on page 2)

**Safety data sheet**  
 according to 1907/2006/EC, Article 31

Printing date 07.04.2015

Version number 17

Revision: 07.04.2015

**Trade name: Osmo Natural Oil Woodstain**

(Contd. of page 1)









**Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.  
 P102 Keep out of reach of children.  
 P271 Use only outdoors or in a well-ventilated area.  
 P262 Do not get in eyes, on skin, or on clothing.  
 P273 Avoid release to the environment.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Additional information:**

Observe the general safety regulations when handling chemicals.  
 Always wear a dust mask when sanding.  
 Contains 2-butanonoxime, propiconazole. May produce an allergic reaction.

**2.3 Other hazards****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<br>EC number: 918-481-9<br>Index number: 649-327-00-6<br>Reg.nr.: 01-2119457273-39 | aliphatic hydrocarbons, C10-C13<br> Xn R65<br>R66<br>-----<br> Asp. Tox. 1, H304  | 25-50% |
| CAS: 34590-94-8<br>EINECS: 252-104-2<br>Reg.nr.: 01-2119450011-60                                  | (2-methoxymethylethoxy)propanol<br>substance with a Community workplace exposure limit  | 3-<10% |
| CAS: 60207-90-1<br>EINECS: 262-104-4<br>Index number: 613-205-00-0                                 | propiconazole<br> Xn R22;  Xi R43;  N R50/53<br>-----<br> Aquatic Acute 1, H400;  Aquatic Chronic 1, H410;  Acute Tox. 4, H302;<br>Skin Sens. 1, H317 | <1%    |

**Additional information:** For the wording of the listed risk 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.

**After skin contact:**

In case of unconsciousness place patient stably in side position for transportation.  
 Immediately wash with water and soap and rinse thoroughly.  
 If skin irritation continues, consult a doctor.

(Contd. on page 3)

**Safety data sheet**  
 according to 1907/2006/EC, Article 31

Printing date 07.04.2015

Version number 17

Revision: 07.04.2015

**Trade name: Osmo Natural Oil Woodstain**

(Contd. of page 2)

**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  
 Disziness

**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:** CO<sub>2</sub>, 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.  
 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.

(Contd. on page 4)

**Safety data sheet**  
 according to 1907/2006/EC, Article 31

Printing date 07.04.2015

Version number 17

Revision: 07.04.2015

**Trade name: Osmo Natural Oil Woodstain**

(Contd. of page 3)

**Information about fire - and explosion protection:** Keep away from heat and direct sunlight.  
 Prevent formation of aerosols.  
 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.

**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:****64742-48-9 aliphatic hydrocarbons, C10-C13**

|           |  |
|-----------|--|
| TWA (8 H) | Long-term value: 1.000 mg/m <sup>3</sup> , 150 ppm ppm<br>Source: UK SIA |
|-----------|--|

**34590-94-8 (2-methoxymethylethoxy)propanol**

|     |   |
|-----|---|
| WEL | Long-term value: 308 mg/m <sup>3</sup> , 50 ppm<br>Sk |
|-----|---|

**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.

(Contd. on page 5)

**Safety data sheet**  
 according to 1907/2006/EC, Article 31

Printing date 07.04.2015

Version number 17

Revision: 07.04.2015

**Trade name: Osmo Natural Oil Woodstain**

(Contd. of page 4)

|   |  |
|---|--|
| <b>Respiratory protection:</b>  | Use suitable respiratory protective device only when aerosol or mist is formed.<br>Not necessary if room is well-ventilated.<br>Short term filter device:<br>Gas filter EN 14387 Type A (organic gas / vapor (boiling point > 65 °C)). |
| <b>Protection of hands:</b>   | The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.<br>Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation            |
| <b>Material of gloves</b>   | Nitrile rubber, NBR  |
| <b>Penetration time of glove material</b>   | The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.   |
| <b>For the permanent contact gloves made of the following materials are suitable:</b>   | Nitrile rubber, NBR<br>Recommended thickness of the material: $\geq 0.4$ mm<br>For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 374 Part 3: Level 6).      |
| <b>As protection from splashes gloves made of the following materials are suitable:</b> | Nitrile rubber, NBR  |
| <b>Eye protection:</b>  | Goggles recommended during refilling   |
| <b>Body protection:</b>   | Protective work clothing   |

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information****Appearance:**

|                |                                    |
|----------------|------------------------------------|
| <b>Form:</b>   | Fluid                              |
| <b>Colour:</b> | According to product specification |
| <b>Odour:</b>  | Mild                               |

**Change in condition**

|                                     |               |
|-------------------------------------|---------------|
| <b>Melting point/Melting range:</b> | Undetermined. |
| <b>Boiling point/Boiling range:</b> | > 180 °C      |

**Flash point:** > 61 °C (DIN EN ISO 2719)**Ignition temperature:** 240 °C**Self-igniting:** Product is not selfigniting.**Danger of explosion:** Product does not present an explosion hazard.**Explosion limits:****Lower:** 0.6 Vol %

(Contd. on page 6)

**Safety data sheet**  
 according to 1907/2006/EC, Article 31

Printing date 07.04.2015

Version number 17

Revision: 07.04.2015

**Trade name: Osmo Natural Oil Woodstain**

(Contd. of page 5)

|   |   |
|---|---|
| <b>Upper:</b>                                   | 7.0 Vol %   |
| <b>Density at 20 °C:</b>                        | 0.96-1.05 g/cm <sup>3</sup> (DIN 51757)                 |
| <b>Solubility in / Miscibility with water:</b>  | Not miscible or difficult to mix.                       |
| <b>Viscosity:</b><br><b>Kinematic at 20 °C:</b> | 45-60 s (DIN 53211/3)<br>>21 mm <sup>2</sup> /s (40 °C) |
| <b>Solvent content:</b><br><b>VOC (EC)</b>      | < 400 g/l (VOC-max. = 400 g/l (2010 A/e))               |
| <b>9.2 Other information</b>                    | No further relevant information available.              |

**SECTION 10: Stability and reactivity****10.1 Reactivity****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<sub>x</sub>)**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:****LD/LC50 values relevant for classification:****64742-48-9 aliphatic hydrocarbons, C10-C13**

|            |           |                               |
|------------|-----------|-------------------------------|
| Oral       | LD50      | > 5000 mg/kg (rat) (OECD 401) |
| Dermal     | LD50      | > 5000 mg/kg (rat) (OECD 402) |
| Inhalative | LC50 / 4h | >20 mg/l (rat) (OECD 403)     |

(Contd. on page 7)

**Safety data sheet**  
 according to 1907/2006/EC, Article 31

Printing date 07.04.2015

Version number 17

Revision: 07.04.2015

**Trade name: Osmo Natural Oil Woodstain**

(Contd. of page 6)

**34590-94-8 (2-methoxymethylethoxy)propanol**

|            |            |  |
|------------|------------|--|
| Oral       | LD50       | > 5000 mg/kg (rat)                                 |
| Dermal     | LD50       | > 2000 mg/kg (rat)<br>13000 - 14000 mg/kg (rabbit) |
| Inhalative | LC50 / 4h  | 5.27 mg/l (rat)                                    |
|            | LC50 / 72h | 0.76 mg/l (senastrum capricornutum)                |

**60207-90-1 propiconazole**

|            |           |  |
|------------|-----------|--|
| Oral       | LD50      | 660 mg/kg (rat)                                |
| Dermal     | LD50      | > 4000 mg/kg (rat)                             |
| Inhalative | LC50 / 4h | 5.8 mg/l (rat) (403 Acute Inhalation Toxicity) |

**Primary irritant effect:****on the skin:**

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

**on the eye:**

not tested

**Sensitisation:**

Sensitising effect by skin contact is possible by prolonged exposure.

**Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

**Sensitisation**

Contains 2-butanonoxime, propiconazole. May produce an allergic reaction.

**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:****96-29-7 2-butanonoxime**

|            |                    |
|------------|--------------------|
| EC50 / 48h | 201 mg/l (daphnia) |
| IC50 / 72h | 11.8 mg/l (algae)  |
| LC50 / 96h | >100 mg/l (fish)   |

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

**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) |
|---------|---|

(Contd. on page 8)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 07.04.2015

Version number 17

Revision: 07.04.2015

**Trade name: Osmo Natural Oil Woodstain**

(Contd. of page 7)

|  |  |
|--|--|
| <b>12.4 Mobility in soil</b>                   | No further relevant information available.   |
| <b>Ecotoxicological effects:</b>               |  |
| <b>Remark:</b>                                 | Harmful to fish  |
| <b>Additional ecological information:</b>      |  |
| <b>General notes:</b>                          | Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water<br>Danger to drinking water if even small quantities leak into the ground. |
| <b>12.5 Results of PBT and vPvB assessment</b> |  |
| <b>PBT:</b>                                    | Not applicable.  |
| <b>vPvB:</b>                                   | Not applicable.  |
| <b>12.6 Other adverse effects</b>              | 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.

**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**

|   |      |
|---|------|
| <b>14.1 UN-Number</b><br>ADR, ADN, IMDG, IATA                           | Void |
| <b>14.2 UN proper shipping name</b><br>ADR, ADN, IMDG, IATA             | Void |
| <b>14.3 Transport hazard class(es)</b><br>ADR, ADN, IMDG, IATA<br>Class | Void |
| <b>14.4 Packing group</b><br>ADR, IMDG, IATA                            | Void |
| <b>14.5 Environmental hazards:</b><br><b>Marine pollutant:</b>          | No   |

(Contd. on page 9)



**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 07.04.2015

Version number 17

Revision: 07.04.2015

**Trade name: Osmo Natural Oil Woodstain**

(Contd. of page 8)

|   |                 |
|---|-----------------|
| <b>14.6 Special precautions for user</b>  | Not applicable. |
| <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable. |
| <b>UN "Model Regulation":</b>   | -               |

**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. = 400 g/l (2010 A/e))**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.

|                         |   |
|-------------------------|---|
| <b>Relevant phrases</b> | 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.  |
|                         | R22 Harmful if swallowed.   |
|                         | R43 May cause sensitisation by skin contact.  |
|                         | R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
|                         | R65 Harmful: may cause lung damage if swallowed.  |
|                         | R66 Repeated exposure may cause skin dryness or cracking.   |

**Department issuing MSDS:** 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  
 Acute Tox. 4: Acute toxicity, Hazard Category 4  
 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

(Contd. on page 10)

***Safety data sheet***  
***according to 1907/2006/EC, Article 31***

Printing date 07.04.2015

Version number 17

Revision: 07.04.2015

**Trade name: Osmo Natural Oil Woodstain**

(Contd. of page 9)

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

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

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 07.04.2015

Version number 17

Revision: 07.04.2015

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

**1.1 Product identifier**

**Trade name:** 701 Osmo Natural Oil Woodstain

**Article number:** 701 Clear

**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.

**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.

**Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Information concerning**

**particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

**Classification system:**

The classification is according to the latest editions of the EU-lists and extended by company and literature data.

**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.

(Contd. on page 2)

**Safety data sheet**  
 according to 1907/2006/EC, Article 31

Printing date 07.04.2015

Version number 17

Revision: 07.04.2015

**Trade name: 701 Osmo Natural Oil Woodstain**









(Contd. of page 1)

P102 Keep out of reach of children.  
 P271 Use only outdoors or in a well-ventilated area.  
 P262 Do not get in eyes, on skin, or on clothing.  
 P273 Avoid release to the environment.  
 P501 Dispose of contents/container in accordance with local/regional/national/  
 international regulations.

**Additional information:**

Observe the general safety regulations when handling chemicals.  
 Always wear a dust mask when sanding.  
 Contains 2-butanonoxime, propiconazole. May produce an allergic reaction.

**2.3 Other hazards****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<br>EC number: 918-481-9<br>Index number: 649-327-00-6<br>Reg.nr.: 01-2119457273-39 | aliphatic hydrocarbons, C10-C13<br> Xn R65<br>R66<br>-----<br> Asp. Tox. 1, H304  | 25-50% |
| CAS: 34590-94-8<br>EINECS: 252-104-2<br>Reg.nr.: 01-2119450011-60                                  | (2-methoxymethylethoxy)propanol<br>substance with a Community workplace exposure limit  | 3-<10% |
| CAS: 60207-90-1<br>EINECS: 262-104-4<br>Index number: 613-205-00-0                                 | propiconazole<br> Xn R22;  Xi R43;  N R50/53<br>-----<br> Aquatic Acute 1, H400;  Aquatic Chronic 1, H410;  Acute Tox. 4, H302;<br>Skin Sens. 1, H317 | <1%    |

**Additional information:**

For the wording of the listed risk 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.

(Contd. on page 3)

**Safety data sheet**  
 according to 1907/2006/EC, Article 31

Printing date 07.04.2015

Version number 17

Revision: 07.04.2015

**Trade name: 701 Osmo Natural Oil Woodstain**

(Contd. of page 2)

**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  
 Disziness

**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:** CO<sub>2</sub>, 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.  
 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.

(Contd. on page 4)

**Safety data sheet**  
 according to 1907/2006/EC, Article 31

Printing date 07.04.2015

Version number 17

Revision: 07.04.2015

**Trade name: 701 Osmo Natural Oil Woodstain**

(Contd. of page 3)

**Information about fire - and explosion protection:** Prevent formation of aerosols.  
 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.

**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:****64742-48-9 aliphatic hydrocarbons, C10-C13**

|           |  |
|-----------|--|
| TWA (8 H) | Long-term value: 1.000 mg/m <sup>3</sup> , 150 ppm ppm<br>Source: UK SIA |
|-----------|--|

**34590-94-8 (2-methoxymethylethoxy)propanol**

|     |   |
|-----|---|
| WEL | Long-term value: 308 mg/m <sup>3</sup> , 50 ppm<br>Sk |
|-----|---|

**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.

(Contd. on page 5)

**Safety data sheet**  
 according to 1907/2006/EC, Article 31

Printing date 07.04.2015

Version number 17

Revision: 07.04.2015

**Trade name: 701 Osmo Natural Oil Woodstain**

(Contd. of page 4)

|   |  |
|---|--|
| <b>Protection of hands:</b>   | Not necessary if room is well-ventilated.<br>Short term filter device:<br>Gas filter EN 14387 Type A (organic gas / vapor (boiling point > 65 °C)).<br>The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.<br>Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation |
| <b>Material of gloves</b>   | Nitrile rubber, NBR  |
| <b>Penetration time of glove material</b>   | The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.   |
| <b>For the permanent contact gloves made of the following materials are suitable:</b>   | Nitrile rubber, NBR<br>Recommended thickness of the material: $\geq 0.4$ mm<br>For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 374 Part 3: Level 6).  |
| <b>As protection from splashes gloves made of the following materials are suitable:</b> | Nitrile rubber, NBR  |
| <b>Eye protection:</b>  | Goggles recommended during refilling   |
| <b>Body protection:</b>   | Protective work clothing   |

**SECTION 9: Physical and chemical properties**
**9.1 Information on basic physical and chemical properties**
**General Information**
**Appearance:**

|                |            |
|----------------|------------|
| <b>Form:</b>   | Fluid      |
| <b>Colour:</b> | Colourless |
| <b>Odour:</b>  | Mild       |

**Change in condition**

|                                     |               |
|-------------------------------------|---------------|
| <b>Melting point/Melting range:</b> | Undetermined. |
| <b>Boiling point/Boiling range:</b> | > 180 °C      |

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

**Ignition temperature:** 240 °C

**Self-igniting:** Product is not selfigniting.

**Danger of explosion:** Product does not present an explosion hazard.

**Explosion limits:**
**Lower:** 0.6 Vol %

(Contd. on page 6)

**Safety data sheet**  
 according to 1907/2006/EC, Article 31

Printing date 07.04.2015

Version number 17

Revision: 07.04.2015

**Trade name: 701 Osmo Natural Oil Woodstain**

(Contd. of page 5)

|  |   |
|--|---|
| <b>Upper:</b>                                  | 7.0 Vol %   |
| <b>Density at 20 °C:</b>                       | 0.97-0.99 g/cm <sup>3</sup> (DIN 51757)                 |
| <b>Solubility in / Miscibility with water:</b> | Not miscible or difficult to mix.                       |
| <b>Viscosity:</b>                              |   |
| <b>Kinematic at 20 °C:</b>                     | 25-35 s (DIN 53211/4)<br>>21 mm <sup>2</sup> /s (40 °C) |
| <b>Solvent content:</b>                        |   |
| <b>VOC (EC)</b>                                | < 400 g/l (VOC-max. = 400 g/l (2010 A/e))               |
| <b>9.2 Other information</b>                   | No further relevant information available.              |

**SECTION 10: Stability and reactivity**
**10.1 Reactivity****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<sub>x</sub>)**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:****LD/LC50 values relevant for classification:****64742-48-9 aliphatic hydrocarbons, C10-C13**

|            |           |                               |
|------------|-----------|-------------------------------|
| Oral       | LD50      | > 5000 mg/kg (rat) (OECD 401) |
| Dermal     | LD50      | > 5000 mg/kg (rat) (OECD 402) |
| Inhalative | LC50 / 4h | >20 mg/l (rat) (OECD 403)     |

(Contd. on page 7)



**Safety data sheet**  
 according to 1907/2006/EC, Article 31

Printing date 07.04.2015

Version number 17

Revision: 07.04.2015

**Trade name: 701 Osmo Natural Oil Woodstain**

(Contd. of page 6)

**34590-94-8 (2-methoxymethylethoxy)propanol**

|            |            |  |
|------------|------------|--|
| Oral       | LD50       | > 5000 mg/kg (rat)                                 |
| Dermal     | LD50       | > 2000 mg/kg (rat)<br>13000 - 14000 mg/kg (rabbit) |
| Inhalative | LC50 / 4h  | 5.27 mg/l (rat)                                    |
|            | LC50 / 72h | 0.76 mg/l (senastrum capricornutum)                |

**60207-90-1 propiconazole**

|            |           |  |
|------------|-----------|--|
| Oral       | LD50      | 660 mg/kg (rat)                                |
| Dermal     | LD50      | > 4000 mg/kg (rat)                             |
| Inhalative | LC50 / 4h | 5.8 mg/l (rat) (403 Acute Inhalation Toxicity) |

**Primary irritant effect:****on the skin:**

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

**on the eye:**

not tested

**Sensitisation:**

Sensitising effect by skin contact is possible by prolonged exposure.

**Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

**Sensitisation**

Contains 2-butanonoxime, propiconazole. May produce an allergic reaction.

**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:****96-29-7 2-butanonoxime**

|            |                    |
|------------|--------------------|
| EC50 / 48h | 201 mg/l (daphnia) |
| IC50 / 72h | 11.8 mg/l (algae)  |
| LC50 / 96h | >100 mg/l (fish)   |

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

**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) |
|---------|---|

(Contd. on page 8)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 07.04.2015

Version number 17

Revision: 07.04.2015

**Trade name: 701 Osmo Natural Oil Woodstain**

(Contd. of page 7)

|  |  |
|--|--|
| <b>12.4 Mobility in soil</b>                   | No further relevant information available.   |
| <b>Ecotoxicological effects:</b>               |  |
| <b>Remark:</b>                                 | Harmful to fish  |
| <b>Additional ecological information:</b>      |  |
| <b>General notes:</b>                          | Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water<br>Danger to drinking water if even small quantities leak into the ground. |
| <b>12.5 Results of PBT and vPvB assessment</b> |  |
| <b>PBT:</b>                                    | Not applicable.  |
| <b>vPvB:</b>                                   | Not applicable.  |
| <b>12.6 Other adverse effects</b>              | 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.

**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**

|   |      |
|---|------|
| <b>14.1 UN-Number</b><br>ADR, ADN, IMDG, IATA                           | Void |
| <b>14.2 UN proper shipping name</b><br>ADR, ADN, IMDG, IATA             | Void |
| <b>14.3 Transport hazard class(es)</b><br>ADR, ADN, IMDG, IATA<br>Class | Void |
| <b>14.4 Packing group</b><br>ADR, IMDG, IATA                            | Void |
| <b>14.5 Environmental hazards:</b><br><b>Marine pollutant:</b>          | No   |

(Contd. on page 9)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 07.04.2015

Version number 17

Revision: 07.04.2015

**Trade name: 701 Osmo Natural Oil Woodstain**

(Contd. of page 8)

|   |                 |
|---|-----------------|
| <b>14.6 Special precautions for user</b>  | Not applicable. |
| <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable. |
| <b>UN "Model Regulation":</b>   | -               |

### 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. = 400 g/l (2010 A/e))

**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.  
 R22 Harmful if swallowed.  
 R43 May cause sensitisation by skin contact.  
 R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 R65 Harmful: may cause lung damage if swallowed.  
 R66 Repeated exposure may cause skin dryness or cracking.

#### Department issuing MSDS:

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  
 Acute Tox. 4: Acute toxicity, Hazard Category 4  
 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

(Contd. on page 10)

***Safety data sheet***  
***according to 1907/2006/EC, Article 31***

Printing date 07.04.2015

Version number 17

Revision: 07.04.2015

***Trade name: 701 Osmo Natural Oil Woodstain***

(Contd. of page 9)

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

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