



# WOOD FINISHES DIRECT

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For purchasing information visit:

[Osmo Top Oil](#)

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

Printing date 23.03.2015

Version number 14

Revision: 23.03.2015

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

**1.1 Product identifier**

**Trade name:** **Osmo TopOil**

**Article number:** 3028, 3058, 3061, 3068

**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**

Coating compound/ Surface coating/ paint  
 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** The product is not classified according to the CLP regulation.

**Classification according to****Directive 67/548/EEC or Directive**

**1999/45/EC** Not applicable.

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

The product does not have 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** Void

**Hazard pictograms** Void

**Signal word** Void

**Hazard statements** Void

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**Precautionary statements**

Although this product is not subject to identification regulations, we recommend that the safety suggestions are observed.

Keep out of reach of children.

If medical advice is needed, have product container or label at hand.

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

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

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. 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	aliphatic hydrocarbons, C10-C13	 Xn R65  R66  Asp. Tox. 1, H304	25-50%
EC number: 918-481-9			
Index number: 649-327-00-6			
Reg.nr.: 01-2119457273-39			

**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:** Take affected persons out into the fresh air.

Immediately remove any clothing soiled by the product.

**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.

**4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

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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:** 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:**

Do not allow to enter sewers/ surface or ground water.

**6.3 Methods and material for containment and cleaning up:**

Warm water and cleansing agent  
 Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

**6.4 Reference to other sections**

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

### SECTION 7: Handling and storage

**7.1 Precautions for safe handling** Keep away from heat and direct sunlight.  
 Use only in well ventilated areas.  
 Keep receptacles tightly sealed.  
 Prevent formation of aerosols.

**Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

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**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 in cool, dry conditions in well sealed receptacles.  
 Keep container tightly sealed.

**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
	Source: UK SIA

**Additional information:**

The lists valid during the making were used as basis.

**8.2 Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing  
 Keep away from foodstuffs, beverages and feed.  
 Avoid contact with the eyes and skin.  
 Do not eat, drink, smoke or sniff while working.  
 Do not carry product impregnated cleaning cloths in trouser pockets.

**Respiratory protection:**

Not necessary if room is well-ventilated.  
 Use suitable respiratory protective device only when aerosol or mist is formed.  
 Short term filter device:  
 Gas filter EN 14387 Type A (organic gas / vapor (boiling point > 65 °C)).

**Protection of hands:**

Protective gloves  
 The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation  
 To avoid skin problems reduce the wearing of gloves to the required minimum.

**Material of gloves**

Nitrile rubber, NBR

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**Penetration time of glove material** The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

**For the permanent contact gloves made of the following materials are suitable:**

Nitrile rubber, NBR

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).

**For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**

Nitrile rubber, NBR

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

Recommended thickness of the material:  $\geq 0.1$  mm

**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:

<b>Form:</b>	Viscous
<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 (DIN 51751)

**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:

<b>Lower:</b>	0.6 Vol %
<b>Upper:</b>	7.0 Vol %

**Density at 20 °C:** 0.92-0.98 g/cm<sup>3</sup> (DIN 51757)

**Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

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**Viscosity:**

**Dynamic:** Not determined.  
**Kinematic at 20 °C:** 40-70 s (DIN EN ISO 2431/4 mm)

**Solvent content:**

**VOC (EC)** Not applicable.  
**9.2 Other information** 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 according to specifications.

**10.3 Possibility of hazardous reactions**

Reacts with fabric soaked in the product (e.g. cleaning wool).

**10.4 Conditions to avoid**

No further relevant information available.

**10.5 Incompatible materials:**

No further relevant information available.

**10.6 Hazardous decomposition products:**Carbon monoxide and carbon dioxide  
Nitrogen oxides (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:****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	> 5 mg/l (rat) (OECD 403)

**96-29-7 2-butanonoxime**

Oral	LD50	3700 mg/kg (rat)
Dermal	LD50	200-2000 mg/kg (rat)
Inhalative	LC50 / 4h	>10.5 mg/l (rat)

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**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:**

Irritating effect.

**Sensitisation:**

Sensitising effect by skin contact is possible by prolonged exposure.

**Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:****64742-48-9 aliphatic hydrocarbons, C10-C13**

EC50 / 48h &gt; 1000 mg/l (daphnia) (OECD 202)

EC50/ 72h &gt; 1000 mg/l (algae) (OECD 201)

LC50 / 96h &gt; 1000 mg/l (fish) (OECD 203)

**96-29-7 2-butanonoxime**

EC50 / 48h 201 mg/l (daphnia)

IC50 / 72h 11.8 mg/l (algae)

**12.2 Persistence and degradability** No further relevant information available.**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**Additional ecological information:****General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow product to reach ground water, water course or sewage system.

**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.

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<i>European waste catalogue</i>	
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> ADR, ADN, IMDG, IATA	Void
<b>14.2 UN proper shipping name</b> ADR, ADN, IMDG, IATA	Void
<b>14.3 Transport hazard class(es)</b> ADR, ADN, IMDG, IATA Class	Void
<b>14.4 Packing group</b> ADR, IMDG, IATA	Void
<b>14.5 Environmental hazards:</b> Marine pollutant:	No
<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:****GISBAU-Code** GISCODE: Ö60**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.

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**Relevant phrases**

H304 May be fatal if swallowed and enters airways.

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

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

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

