



The following technical datasheet is provided by Osmo.

For further information please either give us a call or visit the manufacturer's website.

Wood Floors and Accessories cannot be held liable for the information contained within this document.  
All information is correct at the time of download from the manufacturer.

---

Spilsby Road • Harold Hill • Romford • RM3 8SB • **T** 020 8501 6730 • **E** [info@wfa.uk.net](mailto:info@wfa.uk.net) • **W** [www.wfa.uk.net](http://www.wfa.uk.net)

Registered in England under Company No: 03746590 VAT No: 765 9995 45



## POLYX®-OIL EFFECT RAW

The renowned Polyx®-Oil without the permanent wet effect!



3044 Raw  
Transparent



### PRODUCT DESCRIPTION

Transparent, matt wood finish that uniquely combines the advantages of natural oils and waxes in one product. Osmo Polyx®-Oil Effect Raw is stain-resistant, water-repellent and abrasion-resistant and results in a surface that is pleasant to the touch. In comparison to conventional finishes, the use of plant ingredients creates a more even colour and more harmonious appearance. Simple application without primer or intermediate sanding – this saves time and money. Suitable for wood; water-repellent surface will not crack, peel, flake or blister. Resistant against wine, beer, cola, coffee, tea, fruit juice, milk and water in accordance with German DIN 68861-1A – no water spots. The dry finish is safe for humans, animals and plants (resistant to saliva and perspiration acc. German DIN 53160, suitable for children's toys acc. EN 71.3).

### RECOMMENDED USE

Osmo Polyx®-Oil Effect Raw is suitable for the protection and the nearly invisible surface finishing of lightly coloured wood in indoor areas, such as wooden flooring and furniture surfaces.

### INGREDIENTS

Based on natural plant oils and waxes (sunflower oil, soya oil, thistle oil, carnauba wax and candelilla wax), paraffin, titanium dioxide white pigment, siccatives (drying agents) and water-repellent additives. Deo-matized white spirit (benzene-free). EU limit value for this product (cat. A/i): 500 g/l VOC (2010). This product contains max. 500 g/l VOC. Detailed declaration of ingredients available upon request.

### TECHNICAL DATA

Specific gravity: 0.94-0.96 g/cm<sup>3</sup>  
Viscosity: > 70s DIN EN ISO 2431/3 mm, thixotropic  
Odour: faint/mild, after drying odourless  
Flash point: > 60°C acc. DIN EN ISO 2719

### STORAGE

Up to 5 years and longer if can is kept dry and closed tightly. If thickened by frost, store for 24-36 hours at room temperature before use.

### SURFACE PREPARATION

Wood surface must be clean, dry and frost-free (moisture content max. 18%). Osmo Polyx®-Oil Effect Raw is ready to use. Do not thin. Stir well before use. Clean old microporous stains thoroughly. Old paints and lacquers must be completely removed. As a general rule, wear a dust mask during sanding works. Fill small cracks, larger joints or holes in wood (with Osmo Wood Filler). Sand wood surfaces carefully. Begin with coarse sandpaper – final sanding work for flooring P120-150, for furniture P180-240. Before oiling the surface, remove sanding dust with a broom or vacuum cleaner. The finished surface is influenced by several factors, including the condition of the wood. Therefore, a trial application is always required, especially for unfamiliar surfaces.

### METHODS OF APPLICATION

With Osmo Flat Brush, Floor Brush or Microfibre Roller, apply thinly along the wood grain and spread well. Allow to dry for approx. 24 hours under good ventilation. After drying, quickly apply a second coat also thinly. When renovating or recoating an already oiled surface, one coat applied to the clean and dry surface is usually sufficient.



## CLEANING OF TOOLS

With Osmo Brush Cleaner (free of aromatic compounds).

## DRYING TIME

Approx. 24 hours (normal climatic conditions, 23 °C/50 % rel. humidity). Lower temperatures and/or higher air humidity can increase the drying time. Ventilate well while drying. After 2-3 weeks, surface is fully cured.

## COVERAGE

1 litre covers approx. 30 m<sup>2</sup> with one coat. Coverage depends significantly on the condition of the wood. All information refers to smooth and planed/sanded surfaces. Other surfaces may lead to differences in coverage.

## NOTE

Polyx®-Oil Effect Raw protects wood nearly invisibly. Applying the product too generously and insufficient ventilation lead to delays in drying time and the typical smell of oil.

Any brushstrokes can be removed with an unused dry Microfibre Roller within 30 minutes after applying. The natural colour tone of wood is preserved – it does not enhance the tone of wood, no permanent wet effect.

On dark/reddish wood species, Polyx®-Oil Effect Raw is visible as slightly white chalky surface.

A trial application is recommended. For extractive-rich hardwoods (e.g. Wenge, Merbau, Jatoba etc.), we recommend using Osmo Wood Wax Finish Clear Extra Thin. A trial application is recommended.

Caution: Apply max. one coat thinly to cabinet interiors and drawers with a cloth.

## CAUTION

Keep out of the reach of children. Avoid contact with eyes, skin or clothes. If medical advice is necessary please show the container or label. Use only outside or in well ventilated areas. Caution: Wash out any cloth impregnated with this product immediately or store in an airtight container (Danger of self-ignition). The dried finish is classified as B2 (normal flammability) according to DIN 4102 regulations. Safety data sheet available on request.

## DISPOSAL

Dispose of leftover product and completely emptied packaging according to local official guidelines (waste code number 08 01 11). Only completely emptied cans can be recycled.

## COLOUR TONES

3044 Raw Transparent

## CAN SIZES

0.75 L; 2.50 L; 25 L

The above mentioned information is provided to the best of our knowledge however without any liability.

Version 01/18

**Material Safety Data Sheets**  
 according to 1907/2006/EC, Article 31

Printing date 11.04.2016

Version number 3

Revision: 11.04.2016

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

#### 1.1 Product identifier

**Trade name:** Osmo Polyx® Oil Effect

**Article number:** 3041, 3044, 3092

#### 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

Priming  
 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** The product is not classified according to the CLP regulation.

#### 2.2 Label elements

##### Labelling according to Regulation

**(EC) No 1272/2008** Void

**Hazard pictograms** Void

**Signal word** Void

**Hazard statements** Void

**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.

#### Additional information:

Observe the general safety regulations when handling chemicals.

Always wear a dust mask when sanding.

Safety data sheet available on request.

(Contd. on page 2)

**Material Safety Data Sheets**  
 according to 1907/2006/EC, Article 31

Printing date 11.04.2016

Version number 3

Revision: 11.04.2016

**Trade name: Osmo Polyx® Oil Effect**

(Contd. of page 1)

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

Warning:

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


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

**Additional information:** For the wording of the listed hazard phrases refer to section 16.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**General information:** Immediately remove any clothing soiled by the product.  
 Take affected persons out into the fresh air.

**After inhalation:** Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

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

**After skin contact:** Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

**After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

**After swallowing:** If swallowed, seek medical advice immediately and show this container or label.

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

Dizziness

Headache

**4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

(Contd. on page 3)

**Material Safety Data Sheets**  
 according to 1907/2006/EC, Article 31

Printing date 11.04.2016

Version number 3

Revision: 11.04.2016

**Trade name: Osmo Polyx® Oil Effect**

(Contd. of page 2)

### 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).

#### 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.

#### 7.2 Conditions for safe storage, including any incompatibilities

**Storage:**

**Requirements to be met by storerooms and receptacles:**

Store only in the original receptacle.

(Contd. on page 4)

**Material Safety Data Sheets**  
 according to 1907/2006/EC, Article 31

Printing date 11.04.2016

Version number 3

Revision: 11.04.2016

**Trade name: Osmo Polyx® Oil Effect**

(Contd. of page 3)

**Information about storage in one common storage facility:** Store in a cool location.  
 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  
 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:

Filter A/P2

**Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

To avoid skin problems reduce the wearing of gloves to the required minimum.

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 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

(Contd. on page 5)

**Material Safety Data Sheets**  
 according to 1907/2006/EC, Article 31

Printing date 11.04.2016

Version number 3

Revision: 11.04.2016

**Trade name: Osmo Polyx® Oil Effect**

(Contd. of page 4)

Recommended thickness of the material:  $\geq 0.4$  mm

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

Nitrile rubber, NBR

*Eye protection:*

Goggles recommended during refilling

*Body protection:*

Protective work clothing

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**General Information**

**Appearance:**

**Form:** Viscous

**Colour:** According to product specification

**Odour:** Mild

**Change in condition**

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:**  $> 180$  °C

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

**Ignition temperature:** 240 °C

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

**Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

**Explosion limits:**

**Lower:** 0.7 Vol %

**Upper:** 6.0 Vol %

**Density at 20 °C:** 0.90 - 0.95 g/cm<sup>3</sup> (DIN 51757)

**Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

**Viscosity:**

**Dynamic:** Not determined.

**Kinematic at 20 °C:** 25 - 38 s (DIN 53211/4 mm)  
 $> 21$  mm<sup>2</sup>/s (40 °C)

**Solvent content:**

**VOC (EC)**  $< 500$  g/l (VOC-max. = 500 g/l (2010 A/i))

(Contd. on page 6)



**Trade name: Osmo Polyx® Oil Effect**

(Contd. of page 5)

**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 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 (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** 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	> 5000 mg/kg (rat) (OECD 401)
Dermal	LD50	> 5000 mg/kg (rat) (OECD 402)
Inhalative	LC50 / 4h	21 mg/l (rat) (OECD 403)

#### Primary irritant effect:

**Skin corrosion/irritation** At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

**Serious eye damage/irritation** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

#### 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.

(Contd. on page 7)

**Trade name: Osmo Polyx® Oil Effect**

(Contd. of page 6)

**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	> 1000 mg/l (daphnia) (OECD 202)
EC50/ 72h	> 1000 mg/l (algae) (OECD 201)
LC50 / 96h	> 1000 mg/l (fish) (OECD 203)
Biolog. Abbaubarkeit	(-) (leicht abbaubar)

**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**

Smaller quantities can be disposed of with household waste.

**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.

**SECTION 14: Transport information**
**14.1 UN-Number****ADR, ADN, IMDG, IATA**

Void

(Contd. on page 8)

**Material Safety Data Sheets**  
according to 1907/2006/EC, Article 31

Printing date 11.04.2016

Version number 3

Revision: 11.04.2016

**Trade name: Osmo Polyx® Oil Effect**

(Contd. of page 7)

<b>14.2 UN proper shipping name</b> <b>ADR, ADN, IMDG, IATA</b>	Void
<b>14.3 Transport hazard class(es)</b> <b>ADR, ADN, IMDG, IATA</b> <b>Class</b>	Void
<b>14.4 Packing group</b> <b>ADR, IMDG, IATA</b>	Void
<b>14.5 Environmental hazards:</b> <b>Marine pollutant:</b>	No
<b>14.6 Special precautions for user</b>	Not applicable.
<b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
<b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
<b>UN "Model Regulation":</b>	Void

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations:****GISBAU-Code**

GISCODE: Ö60

**VOC (EC)**

&lt; 500 g/l (VOC-max. = 500 g/l (2010 A/i))

**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**

H304 May be fatal if swallowed and enters airways.

**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)

(Contd. on page 9)

**Material Safety Data Sheets**  
according to 1907/2006/EC, Article 31

Printing date 11.04.2016

Version number 3

Revision: 11.04.2016

**Trade name: Osmo Polyx<sup>®</sup> Oil Effect**

(Contd. of page 8)

LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Asp. Tox. 1: Aspiration hazard, Hazard Category 1

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

