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

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POLYX®-OIL EFFECT GOLD

The renowned Polyx®-Oil for special effects!



3092
Gold



PRODUCT DESCRIPTION

Effect-producing, transparent wood finish that uniquely combines the advantages of natural oils and waxes in one product, and thanks to the added pigments, it offers unique surface effects.

Osmo Polyx®-Oil Effect Gold 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; microporous 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 Gold is optimal for the decorative surface finishing of dark wooden flooring (Smoked Oak, Walnut etc.) or dark stained wooden flooring, such as solid wood, plank and strip flooring, as well as dark furniture surfaces.

INGREDIENTS

Based on natural plant oils and waxes (sunflower oil, soya oil, thistle oil, carnauba wax and candelilla wax), paraffin, effect pigments, siccatives (drying agents) and water-repellent additives. Dearomatized 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: 0.90-0.95 g/cm³

Viscosity: 25-30s DIN EN ISO 2431/4 mm, thixotropic

Odour: faint/mild, after drying odourless

Flash point: >61°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 Gold 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.

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

For dark wood species: With Osmo Flat Brush, Microfibre Roller or Floor Brush, apply thinly along the wood grain and spread well. Allow to dry for approx. 24 hours under good ventilation. After drying, apply a second coat with a clear Osmo Polyx®-Oil.



For lightly coloured wood species: To make the desired effect visible, apply Osmo Wood Wax Finish Black 3169 thinly along the wood grain with Osmo Floor Brush, spread well and rub into wood with a single disc machine. Allow to dry for at least 24 hours with good ventilation. Afterwards, apply Osmo Polyx®-Oil Effect Gold with Osmo Floor Brush also thinly and quickly. Allow to dry for at least 24 hours under good ventilation. Finally, apply a top coat very thinly with a clear Osmo Polyx®-Oil.

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 m² 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

Oils enhance the natural tone of wood (permanent wet effect). Applying the product too generously and insufficient ventilation lead to delays in drying time.

For hardwoods rich in extractives (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.

On lightly coloured wood species, it is hardly visible without the application of a coloured base coat.

CAUTION

Keep out of reach of children. Do not get in eyes, on skin, or on clothing. If medical advice is needed, have product container or label at hand. Use only outdoors or in a well-ventilated area. Warning: Wash out any used cloth impregnated with this product immediately after use 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

3092 Gold

CAN SIZES

0.375 L; 0.75 L; 2.50 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.

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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

Disziness
 Headache

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

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SECTION 5: Firefighting 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.

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.

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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 ³ , 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

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Recommended thickness of the material: ≥ 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/cm³ (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 mm²/s (40 °C)

Solvent content:

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

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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 (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 | > 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.

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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

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| | |
|---|--|
| 14.2 UN proper shipping name ADR, ADN, IMDG, IATA | Void |
| 14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA Class | Void |
| 14.4 Packing group ADR, IMDG, IATA | Void |
| 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. |
| Transport/Additional information: | Not dangerous according to the above specifications. |
| UN "Model Regulation": | 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)

< 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)

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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.*

