

WOOD FINISHES DIRECT

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For purchasing information visit:
Osmo Polyx Oil

Safety data sheet
according to UK REACH

Printing date 05.12.2024 Version number 20.2 Revision: 05.12.2024

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1 Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name: **Polyx®-Oil Original**

Article number: 3011, 3032, 3062, 3065, 3040, 3044, 3067, 3071, 3072, 3073, 3074, 3075 & mixed colours

Relevant identified uses of the substance or mixture and uses advised against No further relevant information available.

Application of the substance / the mixture Paint
Coating compound/ Surface coating/ paint

Details of the supplier of the safety data sheet

Manufacturer/Supplier: Osmo Holz und Color GmbH & Co. KG
Affhüppen Esch 12
D-48231 Warendorf
Germany

Further information obtainable from: Product safety department
Tel.: +49 (0) 251 / 692 - 188
Fax: +49 (0) 251 / 692 - 462
e-mail: helmut.starp@osmo.de

Emergency telephone number: National Poisons Information Centre: +353 (1) 809 2166 (8.00 a.m. to 10.00 p.m. 7 days a week)
Healthcare Professionals: +353 (1) 809 2566 (24 hour service)
Members of the public seeking specific information on poisons should contact:
In England and Wales: NHS 111 - dial 111
In Scotland: NHS 24 - dial 111
emergency phone no. Berlin (24h): +49 (0) 30 / 30686 790 advisory service in German and English

Importer Importer for UK:
OSMO UK,
Smeaton Close
Unit 24 Anglo Business Park
Aylesbury, Bucks HP19 8UP
Phone: 01296 481 220, www.osmouk.com
United Kingdom

2 Hazards identification

Classification of the substance or mixture The product is not classified, according to the Globally Harmonised System (GHS).

Label elements

Hazard pictograms Void

(Contd. on page 2)

Safety data sheet
according to UK REACH

Printing date 05.12.2024 Version number 20.2 Revision: 05.12.2024

Trade name: Polyx®-Oil Original

(Contd. of page 1)

Signal word	Void
Hazard statements	Void
Precautionary statements	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P262 Do not get in eyes, on skin, or on clothing. P271 Use only outdoors or in a well-ventilated area.
Additional information:	EUH210 Safety data sheet available on request.
Other hazards	Observe the general safety regulations when handling chemicals. Always wear a dust mask when sanding. Warning: Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of self-ignition)

Results of PBT and vPvB assessment

PBT:	Not applicable.
vPvB:	Not applicable.

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3 Composition/information on ingredients

Chemical characterisation: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 64742-48-9 EC number: 918-481-9 Reg.nr.: 01-2119457273-39	aliphatic hydrocarbons, C10-C13 n-alkanes, i-alkanes, cyclics, aromatics < 2 % Asp. Tox. 1, H304	25-50%

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

4 First aid measures

Description of first aid measures

General information:	Take affected persons out into the fresh air.
After inhalation:	Supply fresh air; consult doctor in case of complaints.
After skin contact:	Generally the product does not irritate the skin.
After eye contact:	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing:	Do NOT induce vomiting. If symptoms persist consult doctor.
Information for doctor:	
Most important symptoms and effects, both acute and delayed	Dizziness Headache

(Contd. on page 3)

Safety data sheet
according to UK REACH

Printing date 05.12.2024 Version number 20.2 Revision: 05.12.2024

Trade name: Polyx®-Oil Original

(Contd. of page 2)

Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Firefighting measures

Extinguishing media
Suitable extinguishing agents: CO_2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
For safety reasons unsuitable extinguishing agents: Water with full jet
Special hazards arising from the substance or mixture Formation of toxic gases is possible during heating or in case of fire.
Advice for firefighters
Protective equipment: General measures for chemical fires.
Additional information Cool endangered receptacles with water spray.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation
Keep away from ignition sources.
Wear protective clothing.
Environmental precautions: Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
Dispose of the material collected according to regulations.
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
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.

(Contd. on page 4)

Safety data sheet
according to UK REACH

Printing date 05.12.2024 Version number 20.2 Revision: 05.12.2024

Trade name: Polyx®-Oil Original

(Contd. of page 3)

7 Handling and storage

Handling:
Precautions for safe handling Use only in well ventilated areas.
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Store protective clothing separately.
Do not inhale gases / fumes / aerosols.

Information about fire - and explosion protection: Keep respiratory protective device available.

Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: Store only in the original receptacle.
Information about storage in one common storage facility: Not required.
Further information about storage conditions: Protect from frost.
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
Storage class: 10
Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Control parameters

Ingredients with limit values that require monitoring at the workplace:	
64742-48-9 aliphatic hydrocarbons, C10-C13 n-alkanes, i-alkanes, cyclics, aromatics < 2 %	
TWA (8 H)	Long-term value: 1.000 mg/m³, 150 ppm ppm Source: UK SIA

Additional information: The lists valid during the making were used as basis.

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.
Keep away from foodstuffs, beverages and feed.

(Contd. on page 5)

Safety data sheet
according to UK REACH

Printing date 05.12.2024 Version number 20.2 Revision: 05.12.2024

Trade name: Polyx®-Oil Original

(Contd. of page 4)

Avoid contact with the eyes and skin.
Immediately remove all soiled and contaminated clothing
Store protective clothing separately.
Do not inhale gases / fumes / aerosols.

Respiratory protection: Use suitable respiratory protective device only when aerosol or mist is formed.
Use a properly fitted, air-purifying or air-fed repirator complying with an approved standard if a risk assessment indicates this is necessary.
Half mask with round thread connection EN 148-1 (screw-on filter) and combination filter A1 - P2 according to German DIN EN 14387.
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Not necessary if room is well-ventilated.

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

Material of gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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
Recommended thickness of the material: ≥ 0.4 mm
For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 16523-1:2015: Level 6).

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: Nitrile rubber, NBR

Eye protection: Tightly sealed goggles

Body protection: Protective work clothing

(Contd. on page 6)

Safety data sheet
according to UK REACH

Printing date 05.12.2024 Version number 20.2 Revision: 05.12.2024

Trade name: Polyx®-Oil Original

(Contd. of page 5)

9 Physical and chemical properties

Information on basic physical and chemical properties	
General Information	
Appearance:	
Form:	Viscous
Colour:	Yellowish
Odour:	Mild
Odour threshold:	Not determined.
pH-value:	Not applicable.
Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	180 °C
Flash point:	> 60 °C (DIN EN ISO 2719)
Auto-ignition temperature:	240 °C
Decomposition temperature:	Undertemined
Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Explosion limits:	
Lower:	0.7 Vol %
Upper:	6.0 Vol %
Vapour pressure:	Not determined.
Density at 20 °C:	0.88–0.95 g/cm³ (DIN 51757)
Solubility in / Miscibility with water:	Not miscible or difficult to mix.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic at 20 °C:	95–240 mPas
Kinematic at 40 °C:	>21 mm²/s (calculated)
Solvent separation test:	<3% ADR/RID
Other information	No further relevant information available.

10 Stability and reactivity

Reactivity No further relevant information available.

(Contd. on page 7)

Safety data sheet
according to UK REACH

Printing date 05.12.2024 Version number 20.2 Revision: 05.12.2024

Trade name: Polyx®-Oil Original

(Contd. of page 6)

Chemical stability
Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
Possibility of hazardous reactions Reacts with fabric soaked in the product (e.g. cleaning wool).
Conditions to avoid Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Incompatible materials: No further relevant information available.
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)

11 Toxicological information

Information on toxicological effects
Acute toxicity

LD/LC50 values relevant for classification:		
64742-48-9 aliphatic hydrocarbons, C10-C13 n-alkanes, i-alkanes, cyclics, aromatics < 2 %		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rat)
Inhalative	LC50 / 4h	>5 mg/l (rat)

Primary irritant effect:
Skin corrosion/irritation No irritant effect.
Based on available data, the classification criteria are not met.
Serious eye damage/irritation No irritating effect.
Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation Sensitising effect by skin contact is possible by prolonged exposure.
Subacute to chronic toxicity: Based on available data, the classification criteria are not met.

12 Ecological information

Toxicity

Aquatic toxicity:	
64742-48-9 aliphatic hydrocarbons, C10-C13 n-alkanes, i-alkanes, cyclics, aromatics < 2 %	
EC50 / 48h	>1,000 mg/l (Daphnia magna)
IC50 / 72h	>1,000 mg/l (algae)
LC50 / 96h	>1,000 mg/l (fish)

(Contd. on page 8)

Safety data sheet
according to UK REACH

Printing date 05.12.2024 Version number 20.2 Revision: 05.12.2024

Trade name: Polyx®-Oil Original

(Contd. of page 7)

Persistence and degradability No further relevant information available.
Behaviour in environmental systems:
Bioaccumulative potential No further relevant information available.
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
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods
Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.
Recommended cleansing agents: Solvent naphtha

14 Transport information

UN-Number	
ADR, ADN, IMDG, IATA	Not applicable
UN proper shipping name	
ADR, ADN, IMDG, IATA	Not applicable
Transport hazard class(es)	
ADR, ADN, IMDG, IATA	
Class	Not applicable
Packing group	
ADR, IMDG, IATA	Not applicable
Environmental hazards:	
Marine pollutant:	No
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.

(Contd. on page 9)

Safety data sheet
according to UK REACH

Printing date 05.12.2024 Version number 20.2 Revision: 05.12.2024

Trade name: Polyx®-Oil Original

(Contd. of page 8)

UN "Model Regulation":	Not applicable

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture
Poisons Act

Regulated explosives precursors
None of the ingredients is listed.

Regulated poisons
None of the ingredients is listed.

Reportable explosives precursors
None of the ingredients is listed.

Reportable poisons
None of the ingredients is listed.

GHS label elements	Void
Hazard pictograms	Void
Signal word	Void
Hazard statements	Void
Precautionary statements	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P262 Do not get in eyes, on skin, or on clothing. P271 Use only outdoors or in a well-ventilated area.

Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.

National regulations:

Other regulations, limitations and prohibitive regulations

GISBAU-Code	GISCODE: Ö60
Chemical safety assessment:	A Chemical Safety Assessment has not been carried out.

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.
Recommended restriction of use	Keep out of the reach of children
Department issuing SDS:	product safety department
Contact:	Hr. Dr. Starp

(Contd. on page 10)

Safety data sheet
according to UK REACH

Printing date 05.12.2024 Version number 20.2 Revision: 05.12.2024

Trade name: Polyx®-Oil Original

(Contd. of page 9)

Abbreviations and acronyms: ADR: Accord relatif au transport international 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
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Asp. Tox. 1: Aspiration hazard – Category 1

Sources ESIS : European chemical Substances Information System
ECHA Portal
Safety data sheets from raw material suppliers

**** Data compared to the previous version altered.*** Additions, Deletions, Revisions
Updated according to regulation (EU) 2020/878 amending regulation (EC) No: 1907/2006 (UK REACH)