

## Safety data sheet

### according to UK REACH

Printing date 04.02.2026

Version number 22.0

Revision: 04.02.2026

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

**Product identifier**
**Trade name:** Polyx®-Oil Original

**Article number:** 3011, 3032, 3040, 3041, 3044, 3062, 3065, 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:**
IE: 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).

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**Label elements**

<b>Hazard pictograms</b>	Void
<b>Signal word</b>	Void
<b>Hazard statements</b>	Void
<b>Precautionary statements</b>	P102 Keep out of reach of children.
<b>Additional information:</b>	EUH210 Safety data sheet available on request.
<b>Other hazards</b>	Observe the general safety regulations when handling chemicals. Always wear a dust mask when sanding. Warning: Materials impregnated with liquid product, such as cloths, may self-ignite. After use, let the materials to dry completely either spread out flat or in a closed metal container and then dispose of them properly.

**Results of PBT and vPvB assessment**

<b>PBT:</b>	Not applicable
<b>vPvB:</b>	Not applicable

### 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%
CAS: 84418-68-8 EINECS: 282-780-4	Neodecanoic acid, zinc salt, basic ----- Aquatic Acute 1, H400; Aquatic Chronic 2, H411	≥0.25-<2.5%

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

### 4 First aid measures

**Description of first aid measures**

<b>General information:</b>	Take affected persons out into the fresh air.
<b>After inhalation:</b>	Supply fresh air; consult doctor in case of complaints.
<b>After skin contact:</b>	Generally the product does not irritate the skin.
<b>After eye contact:</b>	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
<b>After swallowing:</b>	Do NOT induce vomiting. If symptoms persist consult doctor.

**Information for doctor:**

<b>Most important symptoms and effects, both acute and delayed</b>	Dizziness
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**Indication of any immediate medical attention and special treatment needed**

Headache

No further relevant information available.

### 5 Firefighting measures

**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

**Special hazards arising from the substance or mixture**  
**Advice for firefighters**

Formation of toxic gases is possible during heating or in case of fire.

**Protective equipment:**  
**Additional information**

General measures for chemical fires.  
 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.

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### 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:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**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.  
 Avoid contact with the eyes and skin.

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**Respiratory protection:** Immediately remove all soiled and contaminated clothing  
Store protective clothing separately.  
Do not inhale gases / fumes / aerosols.  
Use suitable respiratory protective device only when aerosol or mist is formed.  
Use a properly fitted, air-purifying or air-fed respirator 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.

**Protection of hands:** Not necessary if room is well-ventilated.  
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 through 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:  $\geq 0.4$  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

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### 9 Physical and chemical properties

#### Information on basic physical and chemical properties

##### General Information

##### Appearance:

<b>Form:</b>	Viscous
<b>Colour:</b>	Different according to colouring
<b>Odour:</b>	Mild
<b>Odour threshold:</b>	Not determined

**pH-value:** Not applicable

##### Change in condition

<b>Melting point/freezing point:</b>	Undetermined
<b>Initial boiling point and boiling range:</b>	180 °C

**Flash point:** > 60 °C (DIN EN ISO 2719)

**Auto-ignition temperature:** 240 °C

**Decomposition temperature:** Undetermined

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

##### Explosion limits:

<b>Lower:</b>	0.7 Vol %
<b>Upper:</b>	6.0 Vol %

**Vapour pressure:** Not determined

**Density at 20 °C:** 0.88–0.95 g/cm<sup>3</sup> (DIN 51757)

##### Solubility in / Miscibility with water:

Not miscible or difficult to mix.

**Partition coefficient: n-octanol/water:** Not determined

##### Viscosity:

<b>Dynamic at 20 °C:</b>	95–240 mPas
<b>Kinematic at 40 °C:</b>	>21 mm <sup>2</sup> /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.

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**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 (NO<sub>x</sub>)**Additional information:**

Warning: Materials impregnated with liquid product, such as cloths, may self-ignite. After use, let the materials to dry completely either spread out flat or in a closed metal container and then dispose of them properly.

## 11 Toxicological information

**Information on toxicological effects****Acute toxicity****LD/LC50 values relevant for classification:****CAS: 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)

**CAS: 84418-68-8 Neodecanoic acid, zinc salt, basic**

Oral	LD50	>5,000 mg/kg (rat) (Acute Oral Toxicity)
Dermal	LD50	>3,640 mg/kg (rat) (Acute Dermal Toxicity)
	LC50 / 72h	2.05 mg/l (algae)

**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.

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### 12 Ecological information

#### Toxicity

##### Aquatic toxicity:

**CAS: 64742-48-9 aliphatic hydrocarbons, C10-C13 n-alkanes, i-alkanes, cyclics, aromatics < 2 %**

EC50 / 48h &gt;1,000 mg/l (Daphnia magna)

IC50 / 72h &gt;1,000 mg/l (algae)

LC50 / 96h &gt;1,000 mg/l (fish)

**CAS: 84418-68-8 Neodecanoic acid, zinc salt, basic**

IC50/ 3h 5.2 mg/l (activated sludge organism) (Activated Sludge, Respiration Inhibition Test)

LC50 / 96h 0.112 mg/l (fish)

NOEC / 3 days 0.06 mg/l (algae)

**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

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<b>UN proper shipping name</b> <b>ADR, ADN, IMDG, IATA</b>	Not applicable
<b>Transport hazard class(es)</b> <b>ADR, ADN, IMDG, IATA</b> <b>Class</b>	Not applicable
<b>Packing group</b> <b>ADR, IMDG, IATA</b>	Not applicable
<b>Environmental hazards:</b> <b>Marine pollutant:</b>	No
<b>Special precautions for user</b>	Not applicable
<b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable
<b>UN "Model Regulation":</b>	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**    P102 Keep out of reach of children.

#### Chemical safety assessment

##### Named dangerous

**substances - ANNEX I**          None of the ingredients is listed.

#### Information about limitation of use:

**GISBAU-Code**                  GISCODE: Ö60

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**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.  
H400 Very toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.

**Recommended restriction of use**

Keep out of the reach of children

**Classification according to Regulation (EC) No 1272/2008**

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

**Department issuing SDS:** product safety department

**Contact:** Hr. Dr. Starp

**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  
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1  
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

**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)