

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 04.12.2023

Version number 20.0 (replaces version 19.1)

Revision: 04.12.2023

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

##### 1.1 Product identifier

**Trade name:** **Polyx-Oil Original**

**Article number:** 3011 Clear glossy, 3032 Clear satin, 3062 Clear matt, 3065 Clear semi-matt, 3040 White, 3067 Light Grey, 3071 Honey, 3072 Amber, 3073 Terra, 3074 Graphite, 3075 Black & mixed colours

##### 1.2 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

##### 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  
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

##### 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

##### 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.

##### Additional information:

EUH210 Safety data sheet available on request.

##### 2.3 Other hazards

Observe the general safety regulations when handling chemicals.

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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.

### 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	aliphatic hydrocarbons, C10-C13 Asp. Tox. 1, H304, EUH066	25-50%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide - aerodynamic diameter >10 µm	0-<5%

**SVHC**

Not applicable.

**Additional information:**

For the wording of the listed hazard phrases refer to section 16.  
 The content of Titanium dioxide varies according to the colour shade.  
 Note 10: The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter ≤ 10 µm.

### SECTION 4: First aid measures

**4.1 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.

**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.

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### 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:

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.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation  
Keep away from ignition sources.  
Wear protective clothing.

#### 6.2 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.

#### 6.3 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.

#### 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

Use only in well ventilated areas.

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### General protective and hygienic measures:

Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.  
Prevent formation of aerosols.

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.

### 7.2 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

### 7.3 Specific end use(s)

No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Ingredients with limit values that require monitoring at the workplace:

**64742-48-9 aliphatic hydrocarbons, C10-C13**

TWA	Short-term value: 1200 mg/m <sup>3</sup>
	CEFIC-HSPA

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

### 8.2 Exposure controls

#### Appropriate engineering controls

No further data; see section 7.

#### Individual protection measures, such as 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.  
Immediately remove all soiled and contaminated clothing  
Store protective clothing separately.  
Do not inhale gases / fumes / aerosols.

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**Respiratory protection:**

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.

Not necessary if room is well-ventilated.

**Hand protection**

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/face protection**

Tightly sealed goggles

**Body protection:**

Protective work clothing

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### SECTION 9: Physical and chemical properties

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

##### General Information

<b>Physical state</b>	Fluid
<b>Colour:</b>	Yellowish
<b>Odour:</b>	Mild
<b>Odour threshold:</b>	Not determined.
<b>Melting point/freezing point:</b>	Undetermined.
<b>Boiling point or initial boiling point and boiling range</b>	180 °C
<b>Flammability</b>	The mixture is capable of catching fire or being set on fire.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	0.7 Vol %
<b>Upper:</b>	6.0 Vol %
<b>Flash point:</b>	> 60 °C (DIN EN ISO 2719)
<b>Auto-ignition temperature:</b>	240 °C
<b>Decomposition temperature:</b>	Undetermined
<b>pH</b>	Not applicable.
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not determined.
<b>Kinematic viscosity at 40 °C</b>	>21 mm <sup>2</sup> /s (calculated)
<b>Dynamic at 20 °C:</b>	95–240 mPas
<b>Solubility</b>	
<b>water:</b>	Not miscible or difficult to mix.
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure:</b>	Not determined.
<b>Density and/or relative density</b>	
<b>Density at 20 °C:</b>	0.88–0.95 g/cm <sup>3</sup> (DIN 51757)

#### 9.2 Other information

<b>Appearance:</b>	
<b>Form:</b>	Viscous
<b>Important information on protection of health and environment, and on safety.</b>	
<b>Ignition temperature:</b>	240 °C
<b>Explosive properties:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
<b>Solvent separation test:</b>	<3% ADR/RID
<b>Solvent content:</b>	
<b>VOC (EC)</b>	< 500 g/l (VOC-max. Cat A/i (2010) = 500 g/l)

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**Information with regard to physical hazard classes**

<b>Explosives</b>	Void
<b>Flammable gases</b>	Void
<b>Aerosols</b>	Void
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void
<b>Flammable liquids</b>	Void
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void
<b>Pyrophoric liquids</b>	Void
<b>Pyrophoric solids</b>	Void
<b>Self-heating substances and mixtures</b>	Void
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
<b>Oxidising liquids</b>	Void
<b>Oxidising solids</b>	Void
<b>Organic peroxides</b>	Void
<b>Corrosive to metals</b>	Void
<b>Desensitised explosives</b>	Void

### SECTION 10: Stability and reactivity

<b>10.1 Reactivity</b>	No further relevant information available.
<b>10.2 Chemical stability</b>	
<b>Thermal decomposition / conditions to be avoided:</b>	No decomposition if used according to specifications.
<b>10.3 Possibility of hazardous reactions</b>	Reacts with fabric soaked in the product (e.g. cleaning wool).
<b>10.4 Conditions to avoid</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
<b>10.5 Incompatible materials:</b>	No further relevant information available.
<b>10.6 Hazardous decomposition products:</b>	Carbon monoxide and carbon dioxide Nitrogen oxides (NO <sub>x</sub> )
<b>Additional information:</b>	Warning: Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of self-ignition)

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### SECTION 11: Toxicological information

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

**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	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rat)
Inhalative	LC50 / 4h	>5 mg/l (rat)

##### 13463-67-7 titanium dioxide - aerodynamic diameter >10 µm

Oral	LD50	>20,000 mg/kg (rat)
Dermal	LD50	>10,000 mg/kg (rabbit)

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**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.

**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.

**Aspiration hazard** Based on available data, the classification criteria are not met.

**Subacute to chronic toxicity:** Based on available data, the classification criteria are not met.

#### 11.2 Information on other hazards

##### Endocrine disrupting properties

None of the ingredients is listed.

### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Aquatic toxicity:

##### 64742-48-9 aliphatic hydrocarbons, C10-C13

EC50 / 48h	>1,000 mg/l (Daphnia magna)
IC50 / 72h	>1,000 mg/l (algae)
LC50 / 96h	>1,000 mg/l (fish)

#### 12.2 Persistence and

**degradability** No further relevant information available.

#### 12.3 Bioaccumulative

**potential** No further relevant information available.

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**12.4 Mobility in soil** No further relevant information available.

**12.5 Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Endocrine disrupting**

**properties**

The product does not contain substances with endocrine disrupting properties.

**12.7 Other adverse effects**

**Additional ecological information:**

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

### 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.

**European waste catalogue**

08 01 12	waste paint and varnish other than those mentioned in 08 01 11
15 01 04	metallic packaging

**Uncleaned packaging:**

**Recommendation:** Disposal must be made according to official regulations.

**Recommended cleansing**

**agents:** Solvent naphtha

### SECTION 14: Transport information

**14.1 UN number or ID number**

**ADR, ADN, IMDG, IATA** Not applicable

**14.2 UN proper shipping name**

**ADR, ADN, IMDG, IATA** Not applicable

**14.3 Transport hazard class(es)**

**ADR, ADN, IMDG, IATA**

**Class** Not applicable

**14.4 Packing group**

**ADR, IMDG, IATA** Not applicable

**14.5 Environmental hazards:**

**Marine pollutant:** No

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**14.6 Special precautions for user** Not applicable.

**14.7 Maritime transport in bulk according to IMO instruments** Not applicable.

**UN "Model Regulation":** Not applicable

### SECTION 15: Regulatory information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
**Directive 2004/42/EC**

Product type: PAINTS AND VARNISHES

- Product subcategory: One-pack performance coatings
- Solvent-borne coatings, Limit value: 500 g/l

VOC: &lt;500 g/l

**Directive 2012/18/EU**
**Named dangerous**
**substances - ANNEX I**

None of the ingredients is listed.

**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**REGULATION (EU) 2019/1148**
**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

**Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

**Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

**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.

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#### 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.  
 EUH066 Repeated exposure may cause skin dryness or cracking.

**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

**Version number of previous version:** 19.1

**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  
 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  
 PBT: Persistent, Bioaccumulative and Toxic  
 SVHC: Substances of Very High Concern  
 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 (REACH)