

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.05.2020

Version number 16.1

Revision: 22.05.2020

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

#### 1.1 Product identifier

**Trade name:** Polyx® Professional Color Oil

**Article number:** 5411; 5412; 5413; 5414 ;5415; 5416; 5417; 5436; 5437; 5441; 5443; 5464; 5468; 5471

#### 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

#### 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](mailto: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** Although this product is not subject to identification regulations, we recommend that the safety suggestions are observed.  
If medical advice is needed, have product container or label at hand.  
Keep out of reach of children.  
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.  
EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

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**2.3 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.

### SECTION 3: Composition/information on ingredients

**3.2 Mixtures****Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

CAS: 13463-67-7	titanium dioxide	0-<15%
EINECS: 236-675-5		

**Additional information:** The content of Titanium dioxide varies according to the colour shade.  
 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:** 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. Then consult a doctor.

Rinse opened eye for several minutes under running water.

**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.

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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:

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

#### 6.2 Environmental

##### precautions:

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

No dangerous substances are released.  
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.  
Keep receptacles tightly sealed.  
No special measures required.

#### Information about fire - and explosion protection:

No special measures required.

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### 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:** None.

**Storage class:** VCI storage class (VCI = German Association of the Chemical Industry): 10

**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:

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.

#### 8.2 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.

#### Respiratory protection:

Not necessary if room is well-ventilated.

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.

#### Protection of hands:

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

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**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:  $\geq 0.4$  mm  
 For the mixture the penetration time has to be at least 480 minutes (Permeation according to EN 374 Part 3: 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:**

Goggles recommended during refilling

**Body protection:**

Not required.

### 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

**pH-value:** Not applicable.

##### Change in condition

**Melting point/freezing point:** Undetermined.  
**Initial boiling point and boiling range:**  $> 180$  °C

**Flash point:**  $> 100$  °C (DIN EN ISO 2719)

**Auto-ignition temperature:** Product is not selfigniting.

**Explosive properties:** Product does not present an explosion hazard.

**Density at 20 °C:** 1.0 - 1.2 g/cm<sup>3</sup> (DIN 51757)

**Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

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**Viscosity:****Dynamic:**

Not determined.

**Kinematic at 20 °C:**120 - 190 s (DIN EN ISO 2431/4mm)  
>21 mm<sup>2</sup>/s (40°C) (calculated)**Solvent content:****VOC (EC)**

&lt; 50 g/l (VOC-max. = 500 g/l (2010 A/i))

**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.

No decomposition if used and stored 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:****13463-67-7 titanium dioxide**

Oral | LD50 | &gt;20,000 mg/kg (rat)

Dermal | LD50 | &gt;10,000 mg/kg (rabbit)

**Primary irritant effect:****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.

**CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)****Germ cell mutagenicity**

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

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<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.
<b>STOT-single exposure</b>	Based on available data, the classification criteria are not met.
<b>STOT-repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

#### 12.1 Toxicity

**Aquatic toxicity:** No further relevant information available.

#### 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

#### 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** 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:

Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

#### 14.1 UN-Number

**ADR, ADN, IMDG, IATA**

Not applicable

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<b>14.2 UN proper shipping name</b> <b>ADR, ADN, IMDG, IATA</b>	Not applicable
<b>14.3 Transport hazard class(es)</b> <b>ADR, ADN, IMDG, IATA</b> <b>Class</b>	Not applicable
<b>14.4 Packing group</b> <b>ADR, IMDG, IATA</b>	Not applicable
<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</b> <b>Marpol and the IBC Code</b>	Not applicable.
<b>UN "Model Regulation":</b>	Not applicable

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

##### Directive 2012/18/EU

##### Named dangerous substances - ANNEX I

None of the ingredients is listed.

##### National regulations:

##### GISBAU-Code

GISCODE: Ö10

##### VOC (EC)

&lt; 50 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.

**Department issuing SDS:** 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

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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

vPvB: very Persistent and very Bioaccumulative

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