# *Safety Data Sheet*
***acc. to OSHA HCS***

Printing date 05/25/2018 Reviewed on 05/25/2018

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## *1 Identification*

***Product identifier***

***Trade name:*** **Osmo Polyx® Oil Effect**

***Article number:*** 3041

***Application of the substance / the mixture*** Priming
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

***Information department:*** Product safety department
Phone: +49 (0) 251 / 692 - 188
Fax: +49 (0) 251 / 692 - 462
e-mail: helmut.starp@osmo.de

***Emergency telephone number:*** 24h-Emergency Phone Number:
For Chemical Emergency, Spill; Leak; Fire Exposure or Accident Call Day or Night within USA and Canada 1-800-424-9300
Outside USA and Canada 001-703-527-3887 (WISAG FMO cargo Services Gmbh & Co.KG)

## *2 Hazard(s) identification*

***Classification of the substance or mixture***

Flam. Liq. 4 H227 Combustible liquid.

***Label elements***

***GHS label elements*** The product is classified and labeled according to the Globally Harmonized System (GHS).

***Hazard pictograms*** Void

***Signal word*** Warning

***Hazard statements*** H227 Combustible liquid.

***Precautionary statements*** P102 Keep out of reach of children.
P101 If medical advice is needed, have product container or label at hand.
P210 Keep away from flames and hot surfaces. – No smoking.
P262 Do not get in eyes, on skin, or on clothing.
P271 Use only outdoors or in a well-ventilated area.
P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

***Additional information:*** Observe the general safety regulations when handling chemicals.

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Always wear a dust mask when sanding.

***Information pertaining to particular dangers for man and environment:*** CAUTION: Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water filled metal container to prevent this.

***Classification system:***

***NFPA ratings (scale 0 - 4)*** Health = 0
Fire = 2
Reactivity = 0

***HMIS-ratings (scale 0 - 4)*** Health = 0
Fire = 2
Reactivity = 0

***Other hazards*** CAUTION: Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water filled metal container to prevent this.

***Results of PBT and vPvB assessment***

***PBT:*** Not applicable.

***vPvB:*** Not applicable.

## 3 Composition/information on ingredients

***Chemical characterization: Mixtures***

***Description:*** Mixture of the substances listed below with nonhazardous additions.

| ***Dangerous components:*** | | | |
|---|---|---|---|
| 64742-48-9 | aliphatic hydrocarbons, C10-C13 | Asp. Tox. 1, H304; Flam. Liq. 4, H227 | 25-50% |
| 13463-67-7 | titanium dioxide | Carc. 2, H351 | <1% |

## 4 First-aid measures

***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.

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***Information for doctor:***
***Most important symptoms and effects, both acute and delayed*** Dizziness
Headache

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

## 5 Fire-fighting measures

***Extinguishing media***
***Suitable extinguishing agents:*** $CO_2$, extinguishing 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:*** 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.

## 6 Accidental release measures

***Personal precautions, protective equipment and emergency procedures*** Ensure adequate ventilation
Keep away from ignition sources

***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.

***Methods and material for containment and cleaning up:*** Warm water and cleansing agent
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

***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.

***Protective Action Criteria for Chemicals***

| ***PAC-1:*** | | |
|---|---|---|
| 14808-60-7 | Quartz ($SiO_2$) | 0.075 mg/m3 |
| 13463-67-7 | titanium dioxide | 30 mg/m3 |

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| PAC-2: | | |
|---|---|---|
| 14808-60-7 | Quartz (SiO2) | 33 mg/m3 |
| 13463-67-7 | titanium dioxide | 330 mg/m3 |

| PAC-3: | | |
|---|---|---|
| 14808-60-7 | Quartz (SiO2) | 1,600 mg/m3 |
| 13463-67-7 | titanium dioxide | 2,000 mg/m3 |

## 7 Handling and storage

**Handling:**
**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 protection against explosions and fires:** Keep ignition sources away - Do not smoke.

**Conditions for safe storage, including any incompatibilities**
**Storage:**
**Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
Store in a cool location.

**Information about storage in one common storage facility:** Do not store together with alkalis (caustic solutions).
Do not store together with oxidizing and acidic materials.

**Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.
Keep receptacle tightly sealed.

**Storage class:** 10

**Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

**Additional information about design of technical systems:** No further data; see item 7.

**Control parameters**
**Components 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 that were valid during the creation were used as basis.

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***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.
***Breathing equipment:*** 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
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

## 9 Physical and chemical properties

***Information on basic physical and chemical properties***
***General Information***
***Appearance:***
***Form:*** Viscous
***Color:*** According to product specification
***Odor:*** Mild

***Change in condition***
***Melting point/Melting range:*** Undetermined.
***Boiling point/Boiling range:*** > 180 °C (>356 °F)

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| | |
|---|---|
| **Flash point:** | > 61 °C (>141.8 °F) (DIN EN ISO 2719) |
| **Ignition temperature:** | 240 °C (464 °F) |
| **Auto igniting:** | Product is not selfigniting. |
| **Danger of explosion:** | Product is not explosive. However, formation of explosive air/vapor mixtures are possible. |
| **Explosion limits:** | |
| **Lower:** | 0.7 Vol % |
| **Upper:** | 6.0 Vol % |
| **Density at 20 °C (68 °F):** | 0.90 - 0.95 g/cm³ (7.511-7.928 lbs/gal) (DIN 51757) |
| **Solubility in / Miscibility with** | |
| **Water:** | Not miscible or difficult to mix. |
| **Viscosity:** | |
| **Dynamic:** | Not determined. |
| **Kinematic at 20 °C (68 °F):** | 25 - 38 s (DIN 53211/4 mm)<br>>21 mm²/s (40°C) |
| **Solvent content:** | |
| **VOC content:** | < 500 g/l / < 4.17 lb/gl |
| **Other information** | No further relevant information available. |

## 10 Stability and reactivity

**Reactivity** No further relevant information available.
**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** No further relevant information available.
**Incompatible materials:** No further relevant information available.
**Hazardous decomposition products:** Carbon monoxide and carbon dioxide
Nitrogen oxides (NOx)
**Additional information:** CAUTION: Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water filled metal container to prevent this.

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## 11 Toxicological information

**Information on toxicological effects**
**Acute toxicity:**

| LD/LC50 values that are 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:**
**on the skin:** At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.
**on the eye:** No irritating effect.
**Sensitization:** Sensitizing effect by skin contact is possible with prolonged exposure.
**Additional toxicological information:** The product is not subject to classification according to internally approved calculation methods for preparations:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

**Carcinogenic categories**

| IARC (International Agency for Research on Cancer) | | |
|---|---|---|
| 14808-60-7 | Quartz (SiO2) | 1 |
| 13463-67-7 | titanium dioxide | 2B |

| NTP (National Toxicology Program) | | |
|---|---|---|
| 14808-60-7 | Quartz (SiO2) | K |

| OSHA-Ca (Occupational Safety & Health Administration) |
|---|
| None of the ingredients is listed. |

## 12 Ecological information

**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) |

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***Persistence and degradability*** No further relevant information available.
***Behavior 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 (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:*** Smaller quantities can be disposed of with household waste.

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

## 14 Transport information

***UN-Number***
***DOT, ADR, ADN, IMDG, IATA*** Void

***UN proper shipping name***
***DOT, ADN, IMDG, IATA*** Void
***ADR*** Void

***Transport hazard class(es)***

***DOT, ADR, ADN, IMDG, IATA***
***Class*** Void

***Packing group***
***DOT, ADR, IMDG, IATA*** Void

***Environmental hazards:***
***Marine pollutant:*** No

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

***Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code*** Not applicable.

***Transport/Additional information:*** Not dangerous according to the above specifications.

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| | |
|---|---|
| ***UN "Model Regulation":*** | Void |

## 15 Regulatory information

***Safety, health and environmental regulations/legislation specific for the substance or mixture***
***Sara***

***Section 355 (extremely hazardous substances):***

None of the ingredients is listed.

***Section 313 (Specific toxic chemical listings):***

None of the ingredients is listed.

***TSCA (Toxic Substances Control Act):***

All ingredients are listed.

***Proposition 65***

***Chemicals known to cause cancer:***

| | |
|---|---|
| 13463-67-7 | titanium dioxide |
| 14808-60-7 | Quartz (SiO2) |

***Chemicals known to cause reproductive toxicity for females:***

None of the ingredients is listed.

***Chemicals known to cause reproductive toxicity for males:***

None of the ingredients is listed.

***Chemicals known to cause developmental toxicity:***

None of the ingredients is listed.

***Cancerogenity categories***

***EPA (Environmental Protection Agency)***

None of the ingredients is listed.

***TLV (Threshold Limit Value established by ACGIH)***

| | | |
|---|---|---|
| 13463-67-7 | titanium dioxide | A4 |
| 14808-60-7 | Quartz (SiO2) | A2 |

***NIOSH-Ca (National Institute for Occupational Safety and Health)***

| | |
|---|---|
| 13463-67-7 | titanium dioxide |
| 14808-60-7 | Quartz (SiO2) |

| | |
|---|---|
| ***GHS label elements*** | The product is classified and labeled according to the Globally Harmonized System (GHS). |
| ***Hazard pictograms*** | Void |
| ***Signal word*** | Warning |
| ***Hazard statements*** | H227 Combustible liquid. |

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| | | |
|---|---|---|
| ***Precautionary statements*** | P210 | Keep away from flames and hot surfaces. – No smoking. |
| | P262 | Do not get in eyes, on skin, or on clothing. |
| | P271 | Use only outdoors or in a well-ventilated area. |
| | P370+P378 | In case of fire: Use for extinction: CO2, powder or water spray. |
| | P403+P235 | Store in a well-ventilated place. Keep cool. |
| | P501 | Dispose of contents/container in accordance with local/regional/national/ international regulations. |
| ***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.

***Department issuing SDS:*** product safety department
***Contact:*** Hr. Dr. Starp
***Date of preparation / last revision*** 05/25/2018 / 2
***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
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
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)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
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
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Flam. Liq. 4: Flammable liquids – Category 4
Carc. 2: Carcinogenicity – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1

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