

## Safety Data Sheet

in accordance with HSNO

Printing date 11.02.2022

Version number 15.6 (replaces version 15.3)

Revision: 11.02.2022

### SECTION 1: Identification of the substance or mixture and of the supplier

#### 1.1 Product identifier

Trade name:

**Osmo Polyx®-Oil Rapid**

Article number:

3232 Clear satin; 3240 White transparent; 3262 Clear matt

#### 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](mailto:helmut.starp@osmo.de)

#### 1.4 Emergency telephone number:

National Poison Centre: 0800 764 766 (0800 POISON)  
Chemcall 24/7 Emergency Response Service: 0800 243 622 (0800 CHEMCALL)  
Emergency Services (Fire, Ambulance, Police): Dial 111

Importer

Osmo NZ Ltd.  
218H Marua Road  
Mt Wellington  
AUCKLAND 1051  
Phone: +64 (0) 9 951 6010  
Email: [info@osmo.co.nz](mailto:info@osmo.co.nz)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to WHS Regulations

Flam. Liq. 3 H226 Flammable liquid and vapour.

Acute Tox. 5 H333 May be harmful if inhaled.

Additional information: HSNO Classes: 3.1C, 6.1E

#### 2.2 Label elements

##### Hazard pictograms



GHS02

Signal word

Warning

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**Hazard statements**

H226 Flammable liquid and vapour.

H333 May be harmful if inhaled.

**Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P210 Keep away from flames and hot surfaces. No smoking.

P233 Keep container tightly closed.

P262 Do not get in eyes, on skin, or on clothing.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves.

P304+P312 IF INHALED: Call a POISON CENTER/doctor if you feel unwell.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with national regulations.

**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)

Must not be applied on the same spraying stand as lacquers or lacquer corrosives that contain NC (nitrocellulose). Risk 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; Flam. Liq. 4, H227	25–50%
CAS: 64742-49-0 EC number: 927-241-2	aliphatic hydrocarbons, C9-C10 ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ STOT SE 3, H336	10–25%
CAS: 34590-94-8 EINECS: 252-104-2	Dipropylene glycol monomethyl ether Flam. Liq. 4, H227	<2.5%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide - aerodynamic dia meter >10 µm	0-2.5%

**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.

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### 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:** Immediately wash with water and soap and rinse thoroughly.

**After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:** If swallowed, seek medical advice immediately and show this container or label.  
Do NOT induce vomiting.

#### 4.2 Most important symptoms and effects, both acute and delayed

Headache  
Dizziness

#### 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

### SECTION 5: Fire fighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing agents:

CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

##### 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:

No special measures required.

##### Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Cool endangered receptacles with water spray.

### SECTION 6: Accidental release measures

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

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

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**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:**

Warm water and cleansing agent  
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 item 13.  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents

**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.  
Keep away from heat and direct sunlight.  
Keep receptacles tightly sealed.  
Prevent formation of aerosols.  
Open and handle receptacle with care.

**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 ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Keep respiratory protective device available.  
Keep away from heat/sparks/open flames/hot surfaces. No smoking.

**7.2 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:**

Not required.

**Further information about storage conditions:**

Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.

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**Storage class:** 3

**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:

##### 34590-94-8 Dipropylene glycol monomethyl ether

WES	Short-term value: 909 mg/m <sup>3</sup> , 150 ppm
	Long-term value: 606 mg/m <sup>3</sup> , 100 ppm
	skin

#### PNECs

##### 34590-94-8 Dipropylene glycol monomethyl ether

PNEC sea water	190 mg/l
PNEC fresh water	19 mg/l
PNEC sewage treatment plant	4,168 mg/l
PNEC fresh water	19 mg/l
PENEC Sediment fresh water	70.2 mg/kg
PNEC STP	4,168 mg/l
PNEC Sediment marine water	190 mg/kg

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

#### 8.2 Exposure controls

##### Appropriate engineering controls

No further data; see item 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.

##### 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.  
 Not necessary if room is well-ventilated.  
 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.

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**Hand protection**

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).

**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

### SECTION 9: Physical and chemical properties

**9.1 Information on basic physical and chemical properties****General Information****Physical state**

Fluid

**Colour:**

According to product specification

**Odour:**

Mild

**Melting point/freezing point:**

Undetermined.

**Boiling point or initial boiling point and boiling range**

&gt; 144 °C (&gt; 291.2 °F)

**Lower and upper explosion limit****Lower:**

0.7 Vol %

**Upper:**

6.0 Vol %

**Flash point:**

45-52 °C (113-125.6 °F) (DIN EN ISO 2719)

**Auto-ignition temperature:**

Product is not selfigniting.

**pH**

Not applicable

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**Viscosity:****Kinematic viscosity at 20 °C (68 °F)**

25-45 s (DIN EN ISO 2431/4mm)

>21 mm<sup>2</sup>/s (40°C) (calculated)**Dynamic:**

Not determined.

**Solubility****water:**

Not miscible or difficult to mix.

**Vapour pressure at 20 °C (68 °F):**

10 hPa (7.5 mm Hg)

**Density and/or relative density****Density at 20 °C (68 °F):**0.88-0.95 g/cm<sup>3</sup> (7.344-7.928 lbs/gal) (DIN 51757)**9.2 Other information****Appearance:****Form:**

Fluid

**Important information on protection of health and environment, and on safety.****Ignition temperature:**

240 °C (464 °F)

**Explosive properties:**

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

**Solvent content:****VOC (EC)**

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

**Information with regard to physical hazard classes****Explosives**

Void

**Flammable gases**

Void

**Aerosols**

Void

**Oxidising gases**

Void

**Gases under pressure**

Void

**Flammable liquids**

Flammable liquid and vapour.

**Flammable solids**

Void

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**10.2 Chemical stability****Thermal decomposition /****conditions to be avoided:**

No decomposition if used 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**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

**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 hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

May be harmful if inhaled.

**LD/LC50 values relevant for classification:****ATE (Acute Toxicity Estimates)**

Oral	LD50	>9,133–<20,800 mg/kg (rat)
Dermal	LD50	>9,133–<20,800 mg/kg (rat)
Inhalative	LC50 / 4h	>91.3–<208 mg/l (rat)

**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)

**64742-49-0 aliphatic hydrocarbons, C9-C10**

Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50 / 4h	>20 mg/l (rat)

**34590-94-8 Dipropylene glycol monomethyl ether**

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>19,020 mg/kg (rat) 13,000–14,000 mg/kg (rabbit)
Inhalative	LC50 / 4h	1,667 mg/l (rat)
	LC50 / 72h	0.76 mg/l (selenastrum capricornutum)

**Skin corrosion/irritation**

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

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**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.

**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)

##### 64742-49-0 aliphatic hydrocarbons, C9-C10

EC50 / 24h <130 mg/l (Oncorhynchus mykiss (Regenbogenforelle))

>100 mg/l (selenastrum capricornutum)

##### 34590-94-8 Dipropylene glycol monomethyl ether

EC50 / 48h 70.2 mg/l

1,919 mg/l (Daphnia magna)

LC50 / 96h 5.3 mg/l (Oncorhynchus mykiss (Regenbogenforelle))

LC50 / 48h 10.2 mg/l (Oncorhynchus mykiss (Regenbogenforelle))

#### 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.

#### 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.

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**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.

**Uncleaned packaging:**

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

### SECTION 14: Transport information

**14.1 UN number or ID number**

**ADR, IMDG, IATA** UN1263

**14.2 UN proper shipping name**

**ADR** 1263 PAINT  
**IMDG, IATA** PAINT

**14.3 Transport hazard class(es)**

**ADR**  
**Class** 3 (F1) Flammable liquids.  
**Label** 3

**IMDG, IATA**

**Class** 3 Flammable liquids.  
**Label** 3

**14.4 Packing group**

**ADR, IMDG, IATA** III

**14.5 Environmental hazards:**

**Marine pollutant:** No

**14.6 Special precautions for user**

Warning: Flammable liquids.

**Hazard identification number (Kemler code):** 30

**EMS Number:** F-E,S-E

**Stowage Category** A

**14.7 Maritime transport in bulk according to IMO**

**instruments** Not applicable.

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**Transport/Additional information:**
**ADR**
**Limited quantities (LQ)**

5L

**Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

**Transport category**

3

**Tunnel restriction code**

D/E

**IMDG**
**Limited quantities (LQ)**

5L

**Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

**UN "Model Regulation":**

UN 1263 PAINT, 3, III

**SECTION 15: Regulatory information**
**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
**New Zealand Inventory of Chemicals**

All ingredients are listed.

**HSNO Approval numbers**

34590-94-8 | Dipropylene glycol monomethyl ether

HSR001402

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

None of the ingredients is listed.

**Seveso category**

P5c FLAMMABLE LIQUIDS

**Qualifying quantity (tonnes)**
**for the application of lower-tier requirements**

5,000 t

**Qualifying quantity (tonnes)**
**for the application of upper-tier requirements**

50,000 t

**National regulations:**
**GISBAU-Code**

GISCODE: Ö60

**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.

**Reasons for alterations**

Formal Changes

**Relevant phrases**

H226 Flammable liquid and vapour.

H227 Combustible liquid.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

**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

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)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Flam. Liq. 4: Flammable liquids – Category 4

Acute Tox. 5: Acute toxicity – Category 5

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

**Sources**

Safety data sheets from raw material suppliers

ECHA Portal

ESIS : European chemical Substances Information System

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