

## Safety Data Sheet

### in accordance with HSNO

Printing date 21.01.2022

Version number 7.2 (replaces version 6.3)

Revision: 26.10.2021

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

#### 1.1 Product identifier

**Trade name:** UV-Protection-Oil, colorless

**Article number:** 410 Clear Satin

#### 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:

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

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to WHS Regulations

Flam. Liq. 4      H227 Combustible liquid.

Aquatic Chronic 3    H412 Harmful to aquatic life with long lasting effects.

**Additional information:** HSNO Classes: 3.1D, 9.1D

#### 2.2 Label elements

##### Hazard pictograms

Void

##### Signal word

Warning

##### Hazard statements

H227 Combustible liquid.  
H412 Harmful to aquatic life with long lasting effects.

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**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.
- P262 Do not get in eyes, on skin, or on clothing.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P370+P378 In case of fire: Use CO<sub>2</sub>, powder or water spray for extinction.
- 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)

**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<br>EC number: 918-481-9 | aliphatic hydrocarbons, C10-C13<br>Asp. Tox. 1, H304; Flam. Liq. 4, H227                                                                               | 25-50% |
| CAS: 34590-94-8<br>EINECS: 252-104-2    | Dipropylene glycol monomethyl ether<br>Flam. Liq. 4, H227                                                                                              | 10-25% |
| CAS: 127519-17-9<br>ELINCS: 407-000-3   | A mixture of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethyl-ethyl)-4-hydroxyphenyl]propionates<br>Aquatic Chronic 2, H411 | <3%    |

**Additional information:** 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:** 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.

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**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>, 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:**

No special measures required.

**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.

**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.  
Dilute with plenty of 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).  
Dispose contaminated material as waste according to item 13.

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**6.4 Reference to other sections**

Ensure adequate ventilation.

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**

Keep away from heat and direct sunlight.

Keep receptacles tightly sealed.

Use only in well ventilated areas.

Prevent formation of 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.

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 oxidising and acidic materials.

**Further information about storage conditions:**

Store receptacle in a well ventilated area.

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:**
**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                                              |

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**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    |
| PNEC 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.  
 Immediately remove all soiled and contaminated clothing  
 Avoid contact with the eyes and skin.  
 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.

**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.

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**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**

If risk of splashing:

Safety glasses according to EN 166:2001 (e.g. densely closing frame glasses  
with side protection)

**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**

 $> 180$  °C ( $> 356$  °F)

**Lower and upper explosion limit**

**Lower:**

0.6 Vol %

**Upper:**

7.0 Vol %

**Flash point:**

 $\geq 65$  °C ( $\geq 149$  °F) (DIN ISO EN 2719)

**Auto-ignition temperature:**

Product is not selfigniting.

**pH**

Not applicable.

**Viscosity:**

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

60-70 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.

**Density and/or relative density**

**Density at 20 °C (68 °F):**

0.95-0.97 g/cm<sup>3</sup> (7.928-8.095 lbs/gal) (DIN 51757)

### 9.2 Other information

**Appearance:**

**Form:**

Fluid

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**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; 400 g/l (VOC-max. Cat A/e (2010) = 400 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**

Combustible liquid.

**Flammable solids**

Void

**Self-reactive substances and mixtures**

Void

**Pyrophoric liquids**

Void

**Pyrophoric solids**

Void

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**Self-heating substances and mixtures**

Void

**Substances and mixtures, which emit flammable gases in contact with water**

Void

**Oxidising liquids**

Void

**Oxidising solids**

Void

**Organic peroxides**

Void

**Corrosive to metals**

Void

**Desensitised explosives**

Void

## 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.

**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:**

Formation of toxic gases is possible during heating or in case of fire.  
 Carbon monoxide and carbon dioxide  
 Nitrogen oxides (NO<sub>x</sub>)

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**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** 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)      |

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

|            |            |                                                     |
|------------|------------|-----------------------------------------------------|
| Oral       | LD50       | >5,000 mg/kg (rat)                                  |
| Dermal     | LD50       | >19,020 mg/kg (rat)<br>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.

**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.

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### 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)          |

##### 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)) |

##### 127519-17-9 A mixture of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethyl-ethyl)-4-hydroxyphenyl]propionates

|                 |                                                        |
|-----------------|--------------------------------------------------------|
| EC50 / 48h      | 3.2 mg/l (Daphnia magna) (OECD-Richtlinie 202, Teil 1) |
| Biokonz.-Faktor | <3 (OECD-Richtlinie 305 C)                             |

#### 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.

#### 12.7 Other adverse effects

##### Remark:

 Harmful to aquatic life with long lasting effects.  
 Harmful to fish

#### Additional ecological information:

##### General notes:

 Water hazard class 1 (German Regulation) (Self-assessment): slightly  
 hazardous for water  
 Harmful to aquatic organisms

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### 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.

**Recommended cleansing agents:**

Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

#### 14.1 UN number or ID number

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

#### 14.2 UN proper shipping name

**ADR** Not applicable

**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

#### 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

##### New Zealand Inventory of Chemicals

|            |                                     |
|------------|-------------------------------------|
| 64742-48-9 | aliphatic hydrocarbons, C10-C13     |
| 34590-94-8 | Dipropylene glycol monomethyl ether |

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|             |                                                                                                                             |
|-------------|-----------------------------------------------------------------------------------------------------------------------------|
| 112926-00-8 | Precipitated silica (Silica-Amorphous)                                                                                      |
| 127519-17-9 | A mixture of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethyl-ethyl)-4-hydroxyphenyl]propionates |
| 7631-86-9   | silicon dioxide, chemically prepared                                                                                        |
| 623-40-5    | 2-Pentanoneoxim                                                                                                             |
| 85203-81-2  | Hexanoic acid, 2-ethyl-, zinc salt, basic                                                                                   |
| 2457-02-5   | Strontiumbis(2-ethylhexanoat)                                                                                               |
| 107-41-5    | 2-methylpentane-2,4-diol                                                                                                    |
| 108-65-6    | 2-methoxy-1-methylethyl acetate                                                                                             |
| 149-57-5    | 2-ethylhexanoic acid                                                                                                        |
| 7732-18-5   | water, distilled, conductivity or of similar purity                                                                         |
| 128-37-0    | Butylated hydroxytoluene                                                                                                    |

**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.

**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.

**Relevant phrases**

H227 Combustible liquid.  
 H304 May be fatal if swallowed and enters airways.  
 H411 Toxic to aquatic life with long lasting effects.

**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

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**Sources**

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

Flam. Liq. 4: Flammable liquids – Category 4  
Asp. Tox. 1: Aspiration hazard – Category 1  
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2  
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3  
ESIS : European chemical Substances Information System  
ECHA Portal  
Safety data sheets from raw material suppliers  
  
Additions, Deletions, Revisions  
Updated according to regulation (EU) 2020/878 amending regulation (EC) No: 1907/2006 (REACH)

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