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

1.1 Product identifier

Trade name: 420 Osmo UV-Protection-Oil Extra, clear satin

1.2 Relevant identified uses of the substance or mixture and uses advised against

Application of the substance / the mixture

Coating compound/ Surface coating/ paint

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
Phone: +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 / 3068 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

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

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms

Void

Signal word

Void

Hazard statements

H412 Harmful to aquatic life with long lasting effects.

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.
P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with national regulations.

Additional information:

Observe the general safety regulations when handling chemicals.
Always wear a dust mask when sanding.
Contains propiconazole. May produce an allergic reaction.

2.3 Other hazards

Warning:

Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of self-ignition)

(Contd. on page 2)
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.

<table>
<thead>
<tr>
<th>Dangerous components:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EC number: 918-481-9</td>
<td>Aliphatic hydrocarbons, C10-C13</td>
</tr>
<tr>
<td>Index number: 649-327-00-6</td>
<td>Asp. Tox. 1, H304</td>
</tr>
<tr>
<td>Reg.nr.: 01-2119457273-39</td>
<td></td>
</tr>
<tr>
<td>CAS: 34590-94-8</td>
<td>Dipropylene glycol monomethyl ether</td>
</tr>
<tr>
<td>EINECS: 252-104-2</td>
<td>Substance with a Community workplace exposure limit</td>
</tr>
<tr>
<td>Reg.nr.: 01-2119450011-60</td>
<td></td>
</tr>
<tr>
<td>CAS: 127519-17-9</td>
<td>A mixture of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethyl-ethyl)-4-hydroxyphenyl]propionates</td>
</tr>
<tr>
<td>EINECS: 407-000-3</td>
<td>Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>Index number: 607-281-00-4</td>
<td></td>
</tr>
<tr>
<td>Reg.nr.: 01-0000015648-61</td>
<td></td>
</tr>
<tr>
<td>CAS: 60207-90-1</td>
<td>Propiconazole</td>
</tr>
<tr>
<td>EINECS: 262-104-4</td>
<td>Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Sens. 1, H317</td>
</tr>
<tr>
<td>Index number: 613-205-00-0</td>
<td></td>
</tr>
<tr>
<td>Reg.nr.:</td>
<td></td>
</tr>
</tbody>
</table>

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: 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: Induce vomiting only, if affected person is fully conscious. If swallowed, seek medical advice immediately and show this container or label.

4.2 Most important symptoms and effects, both acute and delayed

Headache
Dizziness

(Contd. on page 3)
4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: CO2, 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
Keep away from ignition sources.

6.2 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.

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).
Ensure adequate ventilation.

6.4 Reference to other sections

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep receptacles tightly sealed.
Use only in well ventilated areas.
Keep away from heat and direct sunlight.
Prevent formation of aerosols.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

(Contd. on page 4)
**Trade name:** 420 Osmo UV-Protection-Oil Extra, clear satin

**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.

**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:**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>TWA (8 H)</th>
<th>WEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aliphatic hydrocarbons, C10-C13</td>
<td>Long-term value: 1,000 mg/m³, 150 ppm ppm</td>
<td>Long-term value: 308 mg/m³, 50 ppm</td>
</tr>
<tr>
<td></td>
<td>Source: UK SIA</td>
<td></td>
</tr>
<tr>
<td>34590-94-8 Dipropylene glycol monomethyl ether</td>
<td></td>
<td>Source: Sk</td>
</tr>
</tbody>
</table>

**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.
- Immediately remove all soiled and contaminated clothing.
- Keep away from foodstuffs, beverages and feed.
- 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.
- Not necessary if room is well-ventilated.
- Short term filter device:
  - Filter A/P2
**Trade name:** 420 Osmo UV-Protection-Oil Extra, clear satin

| Protection of hands: | 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 | 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: \( \geq 0.4 \text{ mm} \)
- For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 374 Part 3: Level 6).

As protection from splashes gloves made of the following materials are suitable:

- Nitrile rubber, NBR

Eye 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

<table>
<thead>
<tr>
<th>General Information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance:</strong></td>
</tr>
<tr>
<td>Form:</td>
</tr>
<tr>
<td>Colour:</td>
</tr>
<tr>
<td>Odour:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Change in condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point/freezing point:</td>
</tr>
<tr>
<td>Initial boiling point and boiling range:</td>
</tr>
<tr>
<td><strong>Flash point:</strong></td>
</tr>
<tr>
<td><strong>Ignition temperature:</strong></td>
</tr>
<tr>
<td><strong>Auto-ignition temperature:</strong></td>
</tr>
<tr>
<td><strong>Explosive properties:</strong></td>
</tr>
<tr>
<td>** Explosion limits:**</td>
</tr>
<tr>
<td>Lower:</td>
</tr>
</tbody>
</table>

(Contd. on page 6)
### SECTION 10: Stability and reactivity

<table>
<thead>
<tr>
<th>subsection</th>
<th>details</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.1 Reactivity</td>
<td>No further relevant information available.</td>
</tr>
<tr>
<td>10.2 Chemical stability</td>
<td></td>
</tr>
<tr>
<td>Thermal decomposition / conditions to be avoided:</td>
<td>No decomposition if used and stored according to specifications.</td>
</tr>
<tr>
<td>10.3 Possibility of hazardous reactions</td>
<td>Reacts with fabric soaked in the product (e.g. cleaning wool).</td>
</tr>
<tr>
<td>10.4 Conditions to avoid</td>
<td>No further relevant information available.</td>
</tr>
<tr>
<td>10.5 Incompatible materials:</td>
<td>No further relevant information available.</td>
</tr>
<tr>
<td>10.6 Hazardous decomposition products:</td>
<td>Formation of toxic gases is possible during heating or in case of fire. Carbon monoxide and carbon dioxide Nitrogen oxides (NOx)</td>
</tr>
<tr>
<td><strong>Additional information:</strong></td>
<td>Warning: Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of self-ignition)</td>
</tr>
</tbody>
</table>

### SECTION 11: Toxicological information

<table>
<thead>
<tr>
<th>subsection</th>
<th>details</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.1 Information on toxicological effects</td>
<td></td>
</tr>
<tr>
<td>Acute toxicity</td>
<td>Based on available data, the classification criteria are not met.</td>
</tr>
<tr>
<td><strong>LD/LC50 values relevant for classification:</strong></td>
<td></td>
</tr>
<tr>
<td>aliphatic hydrocarbons, C10-C13</td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td>LD50</td>
</tr>
<tr>
<td>Dermal</td>
<td>LD50</td>
</tr>
</tbody>
</table>
**Inhalative LC50 / 4h** 21 mg/l (rat) (OECD 403)

**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**

**Inhalative LC50 / 4h** >5 mg/l (rat)

<table>
<thead>
<tr>
<th>60207-90-1 propiconazole</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50 1517 mg/kg (rat) (OECD-Prüfrichtlinie 401)</td>
</tr>
<tr>
<td>Dermal LD50 &gt; 4000 mg/kg (rat)</td>
</tr>
<tr>
<td>Inhalative LC50 / 4h 5.8 mg/l (rat) (403 Acute Inhalation Toxicity)</td>
</tr>
</tbody>
</table>

**Primary irritant effect:**

**Skin corrosion/irritation**

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

**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.

**Sensitisation**

Contains propiconazole. May produce an allergic reaction.

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

**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.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Aquatic toxicity:**

<table>
<thead>
<tr>
<th>Aliphatic hydrocarbons, C10-C13</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50 / 48h &gt; 1000 mg/l (daphnia) (OECD 202)</td>
</tr>
<tr>
<td>EC50/ 72h &gt; 1000 mg/l (algae) (OECD 201)</td>
</tr>
<tr>
<td>LC50 / 96h &gt; 1000 mg/l (fish) (OECD 203)</td>
</tr>
<tr>
<td>Biolog. Abbaubarkeit (leicht abbaubar)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>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</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50 / 48h 3.2 mg/l mg/l (daphnia) (OECD-Richtlinie 202, Teil 1)</td>
</tr>
<tr>
<td>Biokonz.-Faktor &lt;3 (OECD-Richtlinie 305 C)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>60207-90-1 propiconazole</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50 / 48h 10.2 mg/l (daphnia) (202 Daphnia sp. acute Immobilization)</td>
</tr>
<tr>
<td>EC50/ 72h 9 mg/l (algae) (201 Alga Growth, Inhibition Test (Biomasse))</td>
</tr>
<tr>
<td>LC50 / 96h</td>
</tr>
<tr>
<td>-------------</td>
</tr>
<tr>
<td>LC50 / 48h</td>
</tr>
</tbody>
</table>

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 2 (German Regulation) (Self-assessment): hazardous for water
Danger to drinking water if even small quantities leak into the ground.

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 11 | waste paint and varnish containing organic solvents or other dangerous substances |
| 15 01 10 | packaging containing residues of or contaminated by dangerous substances |

**Uncleaned packaging:**

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

**Recommended cleansing agents:**
Solvent naphtha

**SECTION 14: Transport information**

**14.1 UN-Number**

| ADR, ADN, IMDG, IATA | Void |

**14.2 UN proper shipping name**

| ADR, ADN, IMDG, IATA | not classified as dangerous good |

| Void |

**14.3 Transport hazard class(es)**

| ADR, ADN, IMDG, IATA | Void |

**14.4 Packing group**

| ADR, IMDG, IATA | Void |

(Contd. on page 9)
420 Osmo UV-Protection-Oil Extra, clear satin

14.5 Environmental hazards:
Marine pollutant: No

14.6 Special precautions for user
Not applicable.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable.

Transport/Additional information: This product is not hazardous according to Dangerous Goods Regulation

UN "Model Regulation": Void

SECTION 15: Regulatory information

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

National regulations:
VOC (EC) < 400 g/l (VOC-max. Cat A/e (2010) = 400 g/l)

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
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H317 May cause an allergic skin reaction.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.

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
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
Acute Tox. 4: Acute toxicity – Category 4

(Contd. on page 10)
**Trade name:** 420 Osmo UV-Protection-Oil Extra, clear satin

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Sens. 1</td>
<td>Skin sensitisation – Category 1</td>
</tr>
<tr>
<td>Asp. Tox. 1</td>
<td>Aspiration hazard – Category 1</td>
</tr>
<tr>
<td>Aquatic Acute 1</td>
<td>Hazardous to the aquatic environment - acute aquatic hazard – Category 1</td>
</tr>
<tr>
<td>Aquatic Chronic 1</td>
<td>Hazardous to the aquatic environment - long-term aquatic hazard – Category 1</td>
</tr>
<tr>
<td>Aquatic Chronic 2</td>
<td>Hazardous to the aquatic environment - long-term aquatic hazard – Category 2</td>
</tr>
<tr>
<td>Aquatic Chronic 3</td>
<td>Hazardous to the aquatic environment - long-term aquatic hazard – Category 3</td>
</tr>
</tbody>
</table>