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
- 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
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

**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.
- P271 Use only outdoors or in a well-ventilated area.
- P262 Do not get in eyes, on skin, or on clothing.
- P273 Avoid release to the environment.
- P501 Dispose of contents/container in accordance with local/regional/national/ international 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.

(Contd. on page 2)
Trade name: 420 Osmo UV-Protection-Oil Extra, clear satin

**Information concerning particular hazards for human and environment:**

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

**2.3 Other hazards**

**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>
</tr>
</thead>
<tbody>
<tr>
<td>CAS: 64742-48-9</td>
</tr>
<tr>
<td>aliphatic hydrocarbons, C10-C13</td>
</tr>
<tr>
<td>Asp. Tox. 1, H304</td>
</tr>
<tr>
<td>25-50%</td>
</tr>
<tr>
<td>EC number: 918-481-9</td>
</tr>
<tr>
<td>Index number: 649-327-00-6</td>
</tr>
<tr>
<td>Reg.nr.: 01-2119457273-39</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>CAS: 34590-94-8</td>
</tr>
<tr>
<td>(2-methoxymethylethoxy)propanol</td>
</tr>
<tr>
<td>substance with a Community workplace exposure limit</td>
</tr>
<tr>
<td>10-&lt;25%</td>
</tr>
<tr>
<td>EINECS: 252-104-2</td>
</tr>
<tr>
<td>Reg.nr.: 01-2119450011-60</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>CAS: 127519-17-9</td>
</tr>
<tr>
<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>Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>2.5-&lt;10%</td>
</tr>
<tr>
<td>ELINCS: 407-000-3</td>
</tr>
<tr>
<td>Index number: 607-281-00-4</td>
</tr>
<tr>
<td>Reg.nr.: 01-0000015648-61</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>CAS: 60207-90-1</td>
</tr>
<tr>
<td>propiconazole</td>
</tr>
<tr>
<td>Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Sens. 1, H317</td>
</tr>
<tr>
<td>&lt;1%</td>
</tr>
<tr>
<td>EINECS: 262-104-4</td>
</tr>
<tr>
<td>Index number: 613-205-00-0</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.
**Trade name:** 420 Osmo UV-Protection-Oil Extra, clear satin

(Contd. of page 2)

**4.2 Most important symptoms and effects, both acute and delayed**
- Headache
- Disizziness

**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.

**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.

---

**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.

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

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 alalis (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

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>Substance</th>
<th>TWA (8 H)</th>
<th>Long-term value</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-48-9 aliphatic hydrocarbons, C10-C13</td>
<td></td>
<td>1.000 mg/m³, 150 ppm</td>
<td>UK SIA</td>
</tr>
<tr>
<td>34590-94-8 (2-methoxymethylethoxy)propanol</td>
<td></td>
<td>308 mg/m³, 50 ppm</td>
<td>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.
Trade name: 420 Osmo UV-Protection-Oil Extra, clear satin

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

<table>
<thead>
<tr>
<th>9.1 Information on basic physical and chemical properties</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General Information</strong></td>
</tr>
<tr>
<td><strong>Appearance:</strong></td>
</tr>
<tr>
<td>Form: Fluid</td>
</tr>
<tr>
<td>Colour: According to product specification</td>
</tr>
<tr>
<td>Odour: Mild</td>
</tr>
<tr>
<td><strong>Change in condition</strong></td>
</tr>
<tr>
<td>Melting point/Melting range: Undetermined.</td>
</tr>
<tr>
<td>Boiling point/Boiling range: &gt; 180 °C</td>
</tr>
<tr>
<td><strong>Flash point:</strong></td>
</tr>
<tr>
<td>≥ 65 °C (DIN EN ISO 2719)</td>
</tr>
<tr>
<td><strong>Ignition temperature:</strong></td>
</tr>
<tr>
<td>240 °C</td>
</tr>
<tr>
<td><strong>Self-igniting:</strong></td>
</tr>
<tr>
<td>Product is not selfigniting.</td>
</tr>
<tr>
<td><strong>Danger of explosion:</strong></td>
</tr>
<tr>
<td>Product is not explosive. However, formation of explosive air/vapour mixtures are possible.</td>
</tr>
</tbody>
</table>

(Contd. on page 6)
### Trade name: 420 Osmo UV-Protection-Oil Extra, clear satin

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explosion limits:</strong></td>
<td></td>
</tr>
<tr>
<td>Lower</td>
<td>0.6 Vol %</td>
</tr>
<tr>
<td>Upper</td>
<td>7.0 Vol %</td>
</tr>
<tr>
<td><strong>Density at 20 °C:</strong></td>
<td>0.95 g/cm³ (DIN 51757)</td>
</tr>
<tr>
<td><strong>Solubility in / Miscibility with water:</strong></td>
<td>Not miscible or difficult to mix.</td>
</tr>
<tr>
<td><strong>Viscosity:</strong></td>
<td></td>
</tr>
<tr>
<td>Dynamic</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Kinematic at 40 °C:</td>
<td>&gt; 21 mm²/s</td>
</tr>
<tr>
<td><strong>Solvent content:</strong></td>
<td></td>
</tr>
<tr>
<td>VOC (EC)</td>
<td>&lt; 400 g/l (VOC-max. Cat A/e (2010) = 400 g/l)</td>
</tr>
</tbody>
</table>

**SECTION 10: Stability and reactivity**

10.1 Reactivity: No further relevant information available.
10.2 Chemical stability:
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:
   Formation of toxic gases is possible during heating or in case of fire.
   Carbon monoxide and carbon dioxide
   Nitrogen oxides (NOx)

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:**

<table>
<thead>
<tr>
<th>Route</th>
<th>LD/LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>LD50 &gt; 5000 mg/kg (rat) (OECD 401)</td>
</tr>
<tr>
<td>64742-48-9 aliphatic hydrocarbons, C10-C13</td>
<td></td>
</tr>
</tbody>
</table>
Trade name: 420 Osmo UV-Protection-Oil Extra, clear satin

Dermal LD50 > 5000 mg/kg (rat) (OECD 402)
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)

60207-90-1 propiconazole
Oral LD50 1517 mg/kg (rat) (OECD- Prüfrichtlinie 401)
Dermal LD50 > 4000 mg/kg (rat)
Inhalative LC50 / 4h 5.8 mg/l (rat) (403 Acute Inhalation Toxicity)

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 (carcinogenity, 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:
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)

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 mg/l (daphnia) (OECD-Richtlinie 202, Teil 1)
Biokonz.-Faktor <3 (-) (OECD-Richtlinie 305 C)

60207-90-1 propiconazole
EC50 / 48h 10.2 mg/l (daphnia) (202 Daphnia sp. acute Immobilization)
Trade name: 420 Osmo UV-Protection-Oil Extra, clear satin

<table>
<thead>
<tr>
<th>Test</th>
<th>EC50/72h</th>
<th>LC50/96h</th>
<th>LC50/48h</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9 mg/l (algae) (201 Alga Growth, Inhibition Test (Biomasse))</td>
<td>4.3 mg/l (fish) (203 Fish Acute Toxicity)</td>
<td>10.2 mg/l (fish)</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

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>08 01 11</td>
<td>waste paint and varnish containing organic solvents or other dangerous substances</td>
</tr>
<tr>
<td>15 01 10</td>
<td>packaging containing residues of or contaminated by dangerous substances</td>
</tr>
</tbody>
</table>

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

14.3 Transport hazard class(es)
ADR, ADN, IMDG, IATA
Class Void
Trade name: 420 Osmo UV-Protection-Oil Extra, clear satin

14.4 Packing group
ADR, IMDG, IATA

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

<table>
<thead>
<tr>
<th>Category</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>PBT: Persistent, Bioaccumulative and Toxic</td>
<td></td>
</tr>
<tr>
<td>vPvB: very Persistent and very Bioaccumulative</td>
<td></td>
</tr>
<tr>
<td>Acute Tox. 4: Acute toxicity, Hazard Category 4</td>
<td></td>
</tr>
<tr>
<td>Skin Sens. 1: Sensitisation - Skin, Hazard Category 1</td>
<td></td>
</tr>
<tr>
<td>Asp. Tox. 1: Aspiration hazard, Hazard Category 1</td>
<td></td>
</tr>
<tr>
<td>Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1</td>
<td></td>
</tr>
<tr>
<td>Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1</td>
<td></td>
</tr>
<tr>
<td>Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2</td>
<td></td>
</tr>
<tr>
<td>Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3</td>
<td></td>
</tr>
</tbody>
</table>

* Data compared to the previous version altered.
SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: UV-Protection-Oil Extra tinted

Article number: 425 Oak, 428 Cedar, 429 Natural

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

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 / 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

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.

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

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

P273 Avoid release to the environment.

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

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

Always wear a dust mask when sanding.
Trade name: UV-Protection-Oil Extra tinted

Contains propiconazole. May produce an allergic reaction.

2.3 Other hazards
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>Description</th>
<th>Hazard phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS: 64742-48-9</td>
<td>aliphatic hydrocarbons, C10-C13</td>
<td>Asp. Tox. 1, H304</td>
</tr>
<tr>
<td>EC number: 918-481-9</td>
<td>(2-methoxymethylethoxy)propanol</td>
<td>substance with a Community workplace exposure limit</td>
</tr>
<tr>
<td>Index number: 649-327-00-6</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>
<td>Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>Reg.nr.: 01-2119457273-39</td>
<td>propiconazole</td>
<td>Aquatic Acute 1, H406; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Sens. 1, H317</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1 Description of first aid measures
General information: Take affected persons out into the fresh air. Immediately remove any clothing soiled by the product.

After inhalation: Supply fresh air; consult doctor in case of complaints.
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
Disziness
### 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. |
| 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 | No special measures required. 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). |
| 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 | Keep receptacles tightly sealed. Use only in well ventilated areas. |
| Information about fire - and explosion protection: | No special measures required. |
Trade name: UV-Protection-Oil Extra tinted

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: Store receptacle in a well ventilated area.

Storage class: 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:

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Ingredient</th>
<th>Limit Value</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-48-9</td>
<td>aliphatic hydrocarbons, C10-C13</td>
<td>Long-term value: 1.000 mg/m³, 150 ppm ppm</td>
<td>UK SIA</td>
</tr>
<tr>
<td>34590-94-8</td>
<td>(2-methoxymethylethoxy)propanol</td>
<td>Long-term value: 308 mg/m³, 50 ppm Sk</td>
<td></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.
Avoid contact with the eyes and skin.

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:

Gas filter EN 14387 Type A (organic gas / vapor (boiling point > 65 °C)).

Protection of hands:

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
Material Safety Data Sheets
according to 1907/2006/EC, Article 31

Trade name: UV-Protection-Oil Extra tinted

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

As protection from splashes made of the following materials are suitable: Nitrile rubber, NBR

Eye protection: Goggles recommended during refilling

Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information
Appearance:
Form: Fluid
Colour: According to product specification
Odour: Mild
Odour threshold: Not determined.

pH-value: Not determined.

Change in condition
Melting point/Melting range: Undetermined.
Boiling point/Boiling range: > 180 °C

Flash point: > 63 °C (DIN 53213)

Flammability (solid, gaseous): Not applicable.

Ignition temperature: Undetermined

Decomposition temperature: Not determined.

Self-igniting: Product is not selfigniting.

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

Explosion limits:
Lower: 0.7 Vol %
Upper: 14.0 Vol %

Vapour pressure at 20 °C: 0.4 hPa

Density at 20 °C: 0.9-1.0 g/cm³ (DIN 51757)
**Trade name:** UV-Protection-Oil Extra tinted

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relative density</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Solubility in / Miscibility with water</td>
<td>Not miscible or difficult to mix.</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water):</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Viscosity</td>
<td></td>
</tr>
<tr>
<td>Dynamic</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Kinematic at 20 °C:</td>
<td>60-80 s (DIN 53211/4 m)</td>
</tr>
<tr>
<td>Solvent content:</td>
<td></td>
</tr>
<tr>
<td>VOC (EC)</td>
<td>&lt; 400 g/l (VOC-max. = 400 g/l (2010 A/e))</td>
</tr>
</tbody>
</table>

**SECTION 10: Stability and reactivity**

10.1 Reactivity: No further relevant information available.

10.2 Chemical stability

10.3 Possibility of hazardous reactions

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 (NOx)

**SECTION 11: Toxicological information**

11.1 Information on toxicological effects

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

<table>
<thead>
<tr>
<th>LD/LC50 values relevant for classification:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>64742-48-9 aliphatic hydrocarbons, C10-C13</strong></td>
</tr>
<tr>
<td>Oral LD50 &gt; 5000 mg/kg (rat) (OECD 401)</td>
</tr>
<tr>
<td>Dermal LD50 &gt; 5000 mg/kg (rat) (OECD 402)</td>
</tr>
<tr>
<td>Inhalative LC50 / 4h &gt; 5 mg/l (rat) (OECD 403)</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>Inhalative LC50 / 4h &gt;5 mg/l (rat)</td>
</tr>
</tbody>
</table>
Trade name: UV-Protection-Oil Extra tinted

### SECTION 12: Ecological information

#### 12.1 Toxicity

**Aquatic toxicity:**

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

**Ecotoxical effects:**

- **Remark:** Harmful to fish

**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.
  - Harmful to aquatic organisms

**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.
**Trade name:** UV-Protection-Oil Extra tinted

**European waste catalogue**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>08 01 11*</td>
<td>waste paint and varnish containing organic solvents or other dangerous substances</td>
</tr>
<tr>
<td>15 01 10*</td>
<td>packaging containing residues of or contaminated by dangerous substances</td>
</tr>
</tbody>
</table>

**Uncleaned packaging:**

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

---

### SECTION 14: Transport information

14.1 **UN-Number**

ADR, ADN, IMDG, IATA

Void

14.2 **UN proper shipping name**

ADR, ADN, IMDG, IATA

Void

14.3 **Transport hazard class(es)**

ADR, ADN, IMDG, IATA

Class

Void

14.4 **Packing group**

ADR, IMDG, IATA

Void

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.

**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. = 400 g/l (2010 A/e))

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.
**Trade name:** UV-Protection-Oil Extra tinted

<table>
<thead>
<tr>
<th>H304</th>
<th>May be fatal if swallowed and enters airways.</th>
</tr>
</thead>
<tbody>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life.</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>

**Department issuing MSDS:** 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, Hazard Category 4
- Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
- Asp. Tox. 1: Aspiration hazard, Hazard Category 1
- Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1
- Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2
- Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

* Data compared to the previous version altered.
SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: 410 Osmo UV-Protection-Oil, clear satin

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

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
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 / 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

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.
P271 Use only outdoors or in a well-ventilated area.
P262 Do not get in eyes, on skin, or on clothing.
P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with local/regional/national/ international regulations.

Additional information:

Observe the general safety regulations when handling chemicals.
Always wear a dust mask when sanding.
Safety data sheet available on request.

(Contd. on page 2)
Material Safety Data Sheets
according to 1907/2006/EC, Article 31

Trade name: 410 Osmo UV-Protection-Oil, clear satin

Information concerning particular hazards for human and environment:

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

2.3 Other hazards

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>CAS: 64742-48-9</th>
<th>aliphatic hydrocarbons, C10-C13</th>
<th>25-50%</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC number: 918-481-9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Index number: 649-327-00-6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reg.nr.: 01-2119457273-39</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 127519-17-9</th>
<th>A mixture of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethyl-ethyl)-4-hydroxyphenyl]propionates</th>
<th>2.5-10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELINCS: 407-000-3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Index number: 607-281-00-4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reg.nr.: 01-0000015648-61</td>
<td></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
Disziness

(Contd. on page 3)
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.
Trade name: 410 Osmo UV-Protection-Oil, 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>Substance</th>
<th>Limit Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-48-9 aliphatic hydrocarbons, C10-C13</td>
<td>TWA (8 H): 1.000 mg/m³, 150 ppm ppm</td>
</tr>
</tbody>
</table>

Source: UK SIA

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

8.2 Exposure controls

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

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

(Contd. on page 5)
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 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

General Information

Appearance:
- Form: Fluid
- Colour: According to product specification
- Odour: Mild

Change in condition
- Melting point/Melting range: Undetermined.
- Boiling point/Boiling range: > 180 °C

Flash point: ≥ 65 °C (DIN ISO EN 2719)

Ignition temperature: 240 °C

Self-igniting: Product is not selfigniting.

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

Explosion limits:
- Lower: 0.6 Vol %
- Upper: 7.0 Vol %

Density at 20 °C: 0.95-0.97 g/cm³ (DIN 51757)
Trade name: 410 Osmo UV-Protection-Oil, clear sati

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity
No further relevant information available.

#### 10.2 Chemical stability
No further relevant information available.

#### 10.3 Possibility of hazardous reactions
No decomposition if used and stored according to specifications.

#### 10.4 Conditions to avoid
No further relevant information available.

#### 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 (NOx)

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:**

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalative LC50 / 4h</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-48-9</td>
<td>&gt; 5000 mg/kg (rat) (OECD 401)</td>
<td>&gt; 5000 mg/kg (rat) (OECD 402)</td>
<td>21 mg/l (rat) (OECD 403)</td>
</tr>
</tbody>
</table>
**Trade name:** 410 Osmo UV-Protection-Oil, clear satin

### SECTION 12: Ecological information

#### 12.1 Toxicity

**Aquatic toxicity:**

**64742-48-9 aliphatic hydrocarbons, C10-C13**

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

**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**

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

#### Ecotoxicological effects:

- **Remark:** Harmful to aquatic life with long lasting effects.

**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**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>08 01 11</td>
<td>waste paint and varnish containing organic solvents or other dangerous substances</td>
</tr>
<tr>
<td>15 01 10</td>
<td>packaging containing residues of or contaminated by dangerous substances</td>
</tr>
</tbody>
</table>

**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 | Void |
| ADN, IMDG, IATA | Void |

**14.3 Transport hazard class(es)**

| ADR, ADN, IMDG, IATA | Void |

**14.4 Packing group**

| ADR, IMDG, IATA | Void |

**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.

**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. = 400 g/l (2010 A/e))

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**

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

**Department issuing MSDS:** 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
- Asp. Tox. 1: Aspiration hazard, Hazard Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2
- Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

* Data compared to the previous version altered.