

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 19.11.2012

Version number 2

Revision: 19.11.2012

## 1 Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Trade name:** **425 Oak UV-Protection-Oil Extra**

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

#### Application of the substance / the

#### preparation

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

## 2 Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Directive 67/548/EEC or Directive 1999/45/EC

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Information concerning

#### particular hazards for human and

#### environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

#### Classification system:

The classification is according to the latest editions of the EU-lists and extended by company and literature data.

### 2.2 Label elements

#### Labelling according to EU

#### guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

#### Risk phrases:

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Safety phrases:

2 Keep out of the reach of children.  
24/25 Avoid contact with skin and eyes.

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26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

46 If swallowed, seek medical advice immediately and show this container or label.

51 Use only in well-ventilated areas.

**Special labelling of certain preparations:**

Warning:

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

Contains propiconazole, 2-butanonoxime. May produce an allergic reaction.

**Additional information:**

Observe the general safety regulations when handling chemicals.

Always wear a dust mask when sanding.

**2.3 Other hazards****Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**3 Composition/information on ingredients****3.2 Chemical characterization: Mixtures**

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

**Dangerous components:**

CAS: 64742-48-9 EC number: 918-481-9 Index number: 649-327-00-6 Reg.nr.: 01-2119457273-39	aliphatic hydrocarbons, C10-C13 Xn R65 R66 ----- Asp. Tox. 1, H304	20-<25%
CAS: 34590-94-8 EINECS: 252-104-2 Reg.nr.: 01-2119450011-60	(2-methoxymethylethoxy)propanol substance with a Community workplace exposure limit	10-<25%
CAS: 127519-17-9 ELINCS: 407-000-3 Index number: 607-281-00-4 Reg.nr.: 01-0000015648-61	A mixture of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethyl-ethyl)-4-hydroxyphenyl]propionates N R51/53 ----- Aquatic Chronic 2, H411	2.5-<3%
CAS: 60207-90-1 EINECS: 262-104-4 Index number: 613-205-00-0	propiconazole Xn R22; Xi R43; N R50/53 ----- Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Acute Tox. 4, H302; Skin Sens. 1, H317	0.3-<1%

**Additional information:** For the wording of the listed risk phrases refer to section 16.

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#### 4 First aid measures

##### 4.1 Description of first aid measures

<b>General information:</b>	Take affected persons out into the fresh air. Immediately remove any clothing soiled by the product.
<b>After inhalation:</b>	Supply fresh air; consult doctor in case of complaints.
<b>After skin contact:</b>	Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
<b>After eye contact:</b>	Rinse opened eye for several minutes under running water. Then consult a doctor.
<b>After swallowing:</b>	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

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

No further relevant information available.

#### 5 Firefighting 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.

#### 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.

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**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.

## 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.

**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.

## 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:**

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

TWA (8 H)	Long-term value: 1.000 mg/m <sup>3</sup> , 150 ppm ppm Source: UK SIA
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**34590-94-8 (2-methoxymethylethoxy)propanol**

WEL	Long-term value: 308 mg/m <sup>3</sup> , 50 ppm Sk
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**Additional information:** The lists valid during the making were used as basis.

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**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.

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 &gt; 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 calculated in advance and has therefore to be checked prior to the application.

**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****gloves made of the following****materials are suitable:**

Nitrile rubber, NBR

**Eye protection:**

Goggles recommended during refilling

**Body protection:**

Protective work clothing

**9 Physical and chemical properties**

**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.

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<b>Change in condition</b>	
<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	> 180°C
<b>Flash point:</b>	> 63°C (DIN 53213)
<b>Flammability (solid, gaseous):</b>	Not applicable.
<b>Ignition temperature:</b>	Undetermined
<b>Decomposition temperature:</b>	Not determined.
<b>Self-igniting:</b>	Product is not selfigniting.
<b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
<b>Explosion limits:</b>	
<b>Lower:</b>	0.7 Vol %
<b>Upper:</b>	14.0 Vol %
<b>Vapour pressure at 20°C:</b>	0.4 hPa
<b>Density at 20°C:</b>	0.9-1.0 g/cm <sup>3</sup> (DIN 51757)
<b>Relative density</b>	Not determined.
<b>Evaporation rate</b>	Not determined.
<b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
<b>Segregation coefficient (n-octanol/water):</b>	Not determined.
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic at 20°C:</b>	75-80 s (DIN 53211/4 m)
<b>Solvent content:</b>	
<b>VOC (EC)</b>	< 400 g/l (VOC-max. = 400 g/l (2010 A/e))
<b>9.2 Other information</b>	No further relevant information available.

**10 Stability and reactivity****10.1 Reactivity****10.2 Chemical stability****Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored 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**

No further relevant information available.

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**10.5 Incompatible materials:** No further relevant information available.

**10.6 Hazardous decomposition products:**

Carbon monoxide and carbon dioxide  
Nitrogen oxides (NOx)

## 11 Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity:

#### LD/LC50 values relevant for classification:

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

Oral	LD50	> 5000 mg/kg (rat) (OECD 401)
Dermal	LD50	> 5000 mg/kg (rat) (OECD 402)
Inhalative	LC50 / 4h	> 5 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)
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#### Primary irritant effect:

##### on the skin:

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

##### on the eye:

Irritating effect.

#### Sensitization:

No sensitizing effects known.

#### Additional toxicological information:

Inhalation of concentrated vapours as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc.

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

## 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)

**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.

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**Ecotoxicological 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.

### 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.

### 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.

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

**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.

**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.

<b>Relevant phrases</b>	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.
	R22 Harmful if swallowed.
	R43 May cause sensitisation by skin contact.
	R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	R65 Harmful: may cause lung damage if swallowed.
	R66 Repeated exposure may cause skin dryness or cracking.

**Department issuing MSDS:** product safety department

**Contact:** Hr. Dr. Starp

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