

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 27.11.2008

Revision: 27.11.2008

1 Identification of the substance/preparation and of the company/undertaking

Product details

Trade name: **410 Osmo UV-Protection-Oil, colorless**

Application of the substance / the preparation

Paint
Coating compound/ Surface coating/ paint

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

Information in case of emergency:

emergency phone no. Berlin (24h): +49 (0) 30 / 19240

2 Hazards identification

Hazard description: Not applicable.

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

Classification system:

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

3 Composition/information on ingredients

Chemical characterization

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 64742-48-9 EINECS: 265-150-3	Mixture of aliphatic, naphthenic hydrocarbons; Aromatic content: <0,5% Xn; R 65-66	20-30%
CAS: 34590-94-8 EINECS: 252-104-2	(2-methoxymethylethoxy)propanol	5-15%
CAS: 127519-17-9 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 N; R 51/53	1-5%

(Contd. on page 2)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 27.11.2008

Revision: 27.11.2008

Trade name: 410 Osmo UV-Protection-Oil, colorless

(Contd. of page 1)

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

4 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.

Information for doctor:
The following symptoms may occur:

Headache
Dizziness

5 Fire-fighting measures

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

Special hazards caused by the substance, its products of combustion or resulting gases: Formation of toxic gases is possible during heating or in case of fire.

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.

6 Accidental release measures

Person-related safety precautions: Ensure adequate ventilation
Keep away from ignition sources.

Measures for environmental protection: Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.

Measures for cleaning/collecting: Warm water and cleansing agent
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
Ensure adequate ventilation.

(Contd. on page 3)

Safety Data Sheet
 according to 1907/2006/EC, Article 31

Printing date 27.11.2008

Revision: 27.11.2008

Trade name: 410 Osmo UV-Protection-Oil, colorless

Additional information: See Section 13 for disposal information.

(Contd. of page 2)

7 Handling and storage

Handling:

Information 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.

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 oxidizing 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.

8 Exposure controls/personal protection

Additional information about design of technical facilities:

No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:**64742-48-9 Naphtha (petroleum), hydrotreated heavy**

TWA (8H)	Short-term value: 1000 mg/m ³ Source UK SIA
----------	---

34590-94-8 (2-methoxymethylethoxy)propanol

WEL	Long-term value: 308 mg/m ³ , 50 ppm Sk
-----	---

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

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

(Contd. on page 4)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 27.11.2008

Revision: 27.11.2008

Trade name: 410 Osmo UV-Protection-Oil, colorless

(Contd. of page 3)

Respiratory protection:	Keep away from foodstuffs, beverages and feed. Avoid contact with the eyes and skin. Do not inhale gases / fumes / aerosols. Use suitable respiratory protective device only when aerosol or mist is formed. Not necessary if room is well-ventilated.
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
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

General Information

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: 64°C

Ignition temperature: 240°C

Self-igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower:	0.6 Vol %
Upper:	7.0 Vol %

Density at 20°C: 0.96 g/cm³

(Contd. on page 5)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 27.11.2008

Revision: 27.11.2008

Trade name: 410 Osmo UV-Protection-Oil, colorless

(Contd. of page 4)

Solubility in / Miscibility with water:	Not miscible or difficult to mix.
Viscosity: Kinematic at 20°C:	70-85 s (DIN 53211/4)
Solvent content: VOC (EC)	< 400 g/l (VOC-max. = 400 g/l (2010 A/e))

10 Stability and reactivity

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

Dangerous reactions

Reacts with fabric soaked in the product (e.g. cleaning wool).

Exothermic reaction.

Forms heat.

Reacts with acids, alkalis and oxidizing agents.

Dangerous decomposition products:

Carbon monoxide and carbon dioxide

Nitrogen oxides (NO_x)
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)

11 Toxicological information

Acute toxicity:
LD/LC50 values relevant for classification:
64742-48-9 Mixture of aliphatic, naphthenic hydrocarbons; Aromatic content: <0,5%

Oral LD50 >5000 mg/kg (rat)

Dermal LD50 >3000 mg/kg (rab)

96-29-7 2-butanone oxime

Oral LD50 3700 mg/kg (rat)

Dermal LD50 200-2000 mg/kg (rat)

Inhalative LC50 / 4h 20 mg/l (rat)

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.

(Contd. on page 6)

Safety Data Sheet
 according to 1907/2006/EC, Article 31

Printing date 27.11.2008

Revision: 27.11.2008

Trade name: 410 Osmo UV-Protection-Oil, colorless

(Contd. of page 5)

Additional toxicological information:

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

12 Ecological information**Ecotoxicological effects:****Acquatic toxicity:****64742-48-9 Mixture of aliphatic, naphthenic hydrocarbons; Aromatic content: <0,5%**

EC50 / 24h	>1000 mg/kg (algae)
	>1000 mg/kg (daphnia)
	>1000 mg/kg (fish)

Remark: Harmful to fish

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.

13 Disposal considerations**Product:**

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

14 Transport information**Land transport ADR/RID (cross-border)**

ADR/RID class: -

Maritime transport IMDG:

IMDG Class: -

Marine pollutant: No

(Contd. on page 7)

Safety Data Sheet
 according to 1907/2006/EC, Article 31

Printing date 27.11.2008

Revision: 27.11.2008

Trade name: 410 Osmo UV-Protection-Oil, colorless

(Contd. of page 6)

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: -

15 Regulatory information

Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals.
 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.
 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 2-butanone oxime. May produce an allergic reaction.
 Safety data sheet available for professional user on request.

National regulations:

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

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.

Department issuing MSDS: product safety department

Contact: Hr. Dr. Starp

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 27.11.2008

Revision: 27.11.2008

1 Identification of the substance/preparation and of the company/undertaking

Product details

Trade name: **420 Osmo UV-Protection-Oil Extra, colorless matt**

Application of the substance / the preparation

Paint
Coating compound/ Surface coating/ paint

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

Information in case of emergency:

emergency phone no. Berlin (24h): +49 (0) 30 / 19240

2 Hazards identification

Hazard description: Not applicable.

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

Classification system:

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

3 Composition/information on ingredients

Chemical characterization

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 64742-48-9 EINECS: 265-150-3	Mixture of aliphatic, naphthenic hydrocarbons; Aromatic content: <0,5% Xn; R 65-66	20-30%
CAS: 34590-94-8 EINECS: 252-104-2	(2-methoxymethylethoxy)propanol	5-15%
CAS: 127519-17-9 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 N; R 51/53	1-5%
CAS: 1085-98-9 EINECS: 214-118-7	dichlofluanid (ISO) Xn, Xi, N; R 20-36-43-50	<1%

(Contd. on page 2)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 27.11.2008

Revision: 27.11.2008

Trade name: 420 Osmo UV-Protection-Oil Extra, colorless matt

Additional information:

For the wording of the listed risk phrases refer to section 16.

(Contd. of page 1)

4 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.

Information for doctor:

The following symptoms may occur:

Headache

Dizziness

5 Fire-fighting measures

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

Special hazards caused by the substance, its products of combustion or resulting gases:

Formation of toxic gases is possible during heating or in case of fire.

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.

6 Accidental release measures

Person-related safety precautions: Ensure adequate ventilation

Keep away from ignition sources.

Measures for environmental protection:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

Measures for cleaning/collecting:

Warm water and cleansing agent

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

Ensure adequate ventilation.

(Contd. on page 3)

Safety Data Sheet
 according to 1907/2006/EC, Article 31

Printing date 27.11.2008

Revision: 27.11.2008

Trade name: 420 Osmo UV-Protection-Oil Extra, colorless matt

Additional information: See Section 13 for disposal information.

(Contd. of page 2)

7 Handling and storage

Handling:

Information 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.

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 oxidizing 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.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

64742-48-9 Naphtha (petroleum), hydrotreated heavy

TWA (8H)	Short-term value: 1000 mg/m ³ Source UK SIA
----------	---

34590-94-8 (2-methoxymethylethoxy)propanol

WEL	Long-term value: 308 mg/m ³ , 50 ppm Sk
-----	---

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

**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

(Contd. on page 4)

Safety Data Sheet
 according to 1907/2006/EC, Article 31

Printing date 27.11.2008

Revision: 27.11.2008

Trade name: 420 Osmo UV-Protection-Oil Extra, colorless matt

(Contd. of page 3)

Respiratory protection:	Keep away from foodstuffs, beverages and feed. Avoid contact with the eyes and skin. Do not inhale gases / fumes / aerosols. Use suitable respiratory protective device only when aerosol or mist is formed. Not necessary if room is well-ventilated.
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
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

General Information

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: 66°C

Ignition temperature: 240°C

Self-igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower:	0.6 Vol %
Upper:	7.0 Vol %

Density at 20°C: 0.95 g/cm³

(Contd. on page 5)

Safety Data Sheet
 according to 1907/2006/EC, Article 31

Printing date 27.11.2008

Revision: 27.11.2008

Trade name: 420 Osmo UV-Protection-Oil Extra, colorless matt

(Contd. of page 4)

Solubility in / Miscibility with water:	Not miscible or difficult to mix.
Viscosity: Kinematic at 20°C:	70-85 s (DIN 53211/4)
Solvent content: VOC (EC)	< 400 g/l (VOC-max. = 400 g/l (2010 A/e))

10 Stability and reactivity

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

Dangerous reactions

Reacts with fabric soaked in the product (e.g. cleaning wool).

Exothermic reaction.

Forms heat.

Reacts with acids, alkalis and oxidizing agents.

Dangerous decomposition products:

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)

11 Toxicological information

Acute toxicity:

LD/LC50 values relevant for classification:

64742-48-9 Mixture of aliphatic, naphthenic hydrocarbons; Aromatic content: <0,5%

Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>3000 mg/kg (rab)

96-29-7 2-butanone oxime

Oral	LD50	3700 mg/kg (rat)
Dermal	LD50	200-2000 mg/kg (rat)
Inhalative	LC50 / 4h	20 mg/l (rat)

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.

(Contd. on page 6)

Safety Data Sheet
 according to 1907/2006/EC, Article 31

Printing date 27.11.2008

Revision: 27.11.2008

Trade name: 420 Osmo UV-Protection-Oil Extra, colorless matt

(Contd. of page 5)

Additional toxicological information:

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

12 Ecological information**Ecotoxicological effects:****Acquatic toxicity:****64742-48-9 Mixture of aliphatic, naphthenic hydrocarbons; Aromatic content: <0,5%**

EC50 / 24h	>1000 mg/kg (algae)
	>1000 mg/kg (daphnia)
	>1000 mg/kg (fish)

Remark: Harmful to fish

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.

13 Disposal considerations**Product:**

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

14 Transport information**Land transport ADR/RID (cross-border)**

ADR/RID class: -

Maritime transport IMDG:

IMDG Class: -

Marine pollutant: No

(Contd. on page 7)

Safety Data Sheet
 according to 1907/2006/EC, Article 31

Printing date 27.11.2008

Revision: 27.11.2008

Trade name: 420 Osmo UV-Protection-Oil Extra, colorless matt

(Contd. of page 6)

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: -

15 Regulatory information

Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals.
 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.
 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 2-butanone oxime, dichlofluanid (ISO). May produce an allergic reaction.
 Safety data sheet available for professional user on request.

National regulations:

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

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.

Department issuing MSDS: product safety department

Contact: Hr. Dr. Starp

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

Printing date 27.02.2014

Version number 4

Revision: 27.02.2014

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

1.1 Product identifier

Trade name: UV-Protection-Oil Extra

Article number: 425 Oak, 428 Cedar

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

Application of the substance / the mixture No further relevant information available.

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.

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 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.

(Contd. on page 2)

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

Printing date 27.02.2014

Version number 4

Revision: 27.02.2014

Trade name: UV-Protection-Oil Extra

(Contd. of page 1)

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P103 Read label before use.
 P262 Do not get in eyes, on skin, or on clothing.
 P273 Avoid release to the environment.
 P271 Use only outdoors or in a well-ventilated area.
 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, 2-butanonoxime. 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.

Dangerous components:

CAS: 64742-48-9 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	<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	<1%

Additional information:

For the wording of the listed risk 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.
 Immediately remove any clothing soiled by the product.

(Contd. on page 3)

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

Printing date 27.02.2014

Version number 4

Revision: 27.02.2014

Trade name: UV-Protection-Oil Extra

(Contd. of page 2)

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
Dizziness

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: 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: 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.

(Contd. on page 4)

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

Printing date 27.02.2014

Version number 4

Revision: 27.02.2014

Trade name: UV-Protection-Oil Extra

(Contd. of page 3)

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.

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:

64742-48-9 aliphatic hydrocarbons, C10-C13

TWA (8 H)	Long-term value: 1.000 mg/m ³ , 150 ppm ppm Source: UK SIA
-----------	--

34590-94-8 (2-methoxymethylethoxy)propanol

WEL	Long-term value: 308 mg/m ³ , 50 ppm Sk
-----	---

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.
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.

(Contd. on page 5)

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

Printing date 27.02.2014

Version number 4

Revision: 27.02.2014

Trade name: UV-Protection-Oil Extra

(Contd. of page 4)

Protection of hands:	Short term filter device: Gas filter EN 14387 Type A (organic gas / vapor (boiling point > 65 °C)). 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

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.

(Contd. on page 6)

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

Printing date 27.02.2014

Version number 4

Revision: 27.02.2014

Trade name: UV-Protection-Oil Extra

(Contd. of page 5)

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/cm ³ (DIN 51757)
Relative density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic at 20 °C:	60-80 s (DIN 53211/4 m)
Solvent content:	
VOC (EC)	< 400 g/l (VOC-max. = 400 g/l (2010 A/e))
9.2 Other information	No further relevant information available.

SECTION 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.

10.5 Incompatible materials:

No further relevant information available.

10.6 Hazardous decomposition**products:**

Carbon monoxide and carbon dioxide

Nitrogen oxides (NO_x)

(Contd. on page 7)

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

Printing date 27.02.2014

Version number 4

Revision: 27.02.2014

Trade name: UV-Protection-Oil Extra

(Contd. of page 6)

SECTION 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)
------------	-----------	---------------

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.

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)

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 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.

(Contd. on page 8)

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

Printing date 27.02.2014

Version number 4

Revision: 27.02.2014

Trade name: UV-Protection-Oil Extra

(Contd. of page 7)

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.**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.**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****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****MARPOL73/78 and the IBC Code** Not applicable.**UN "Model Regulation":** -

(Contd. on page 9)

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

Printing date 27.02.2014

Version number 4

Revision: 27.02.2014

Trade name: UV-Protection-Oil Extra

(Contd. of page 8)

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.
 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

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 Harmonized 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
 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

(Contd. on page 10)

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

Printing date 27.02.2014

Version number 4

Revision: 27.02.2014

Trade name: UV-Protection-Oil Extra

(Contd. of page 9)

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.***

GB