

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%

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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.

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Additional information: See Section 13 for disposal information.

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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
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34590-94-8 (2-methoxymethylethoxy)propanol

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

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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

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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.

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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

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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