

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 15.02.2008

Revision: 15.02.2008

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

Product details

Trade name: **Osmo Industrial Finish**

Application of the substance / the preparation 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 10 Flammable.

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: 64742-49-0 EINECS: 265-151-9	Naphtha (petroleum), hydrotreated light	Xn; R 10-65-66-67	10-25%
CAS: 64742-48-9 EINECS: 265-150-3	Naphtha (petroleum), hydrotreated heavy	Xn; R 65-66	20-30%

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.

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After inhalation:	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
After skin contact:	In case of unconsciousness place patient stably in side position for transportation. 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:	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:	CO ₂ , 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:	Keep away from ignition sources.
Measures for environmental protection:	Do not allow to enter sewers/ surface or ground water. Inform respective authorities in case of seepage into water course or sewage system.
Measures for cleaning/collecting:	Warm water and cleansing agent Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation.

7 Handling and storage

Handling:	
Information for safe handling:	Keep receptacles tightly sealed. Keep away from heat and direct sunlight. Use only in well ventilated areas.

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Information about fire - and explosion protection:

Prevent formation of aerosols.
 Keep ignition sources away - Do not smoke.
 Protect against electrostatic charges.

Storage:**Requirements to be met by storerooms and receptacles:**

Store in a cool location.
 Store only in the original receptacle.

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:

Keep container tightly sealed.
 Store receptacle in a well ventilated area.
 Protect from frost.
 Protect from heat and direct sunlight.

Specific applications

Clear lacquers and glazes for buildings, their construction units and decorative elements (inside and outside), including so-called covering glazes

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 (20-30%)**

TWA (8H)	Short-term value: 1000 mg/m ³ Source UK SIA
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64742-49-0 Naphtha (petroleum), hydrotreated light (10-25%)

TWA (8 H)	Short-term value: 1000 mg/m ³ Source UK SIA
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34590-94-8 (2-methoxymethylethoxy)propanol (2,5-10%)

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:**

Immediately remove all soiled and contaminated clothing
 Avoid contact with the eyes and skin.
 Do not eat, drink, smoke or sniff while working.
 Do not carry product impregnated cleaning cloths in trouser pockets.
 Keep away from foodstuffs, beverages and feed.

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Respiratory protection:	Not necessary if room is well-ventilated. Use suitable respiratory protective device only when aerosol or mist is formed.
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	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:	Tightly sealed goggles
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:	144°C (DIN 51751)

Flash point: 30°C (DIN 52231)

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:	0.8 Vol %
Upper:	6.0 Vol %

Vapour pressure at 20°C: 10 hPa

Density at 20°C: 0.9 - 1.0 g/cm³ (DIN 51757)

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Solubility in / Miscibility with water:	Not miscible or difficult to mix.
Viscosity: Kinematic at 20°C:	> 81 s (DIN 53211/4)
Solvent content: VOC (EC)	< 500 g/l (VOC-max. = 500 g/l (2007 A/e))

10 Stability and reactivity

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Dangerous reactions

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

Exothermic reaction.

Forms heat.

Self igniting.

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).

Must not be applied on the same spraying stand as lacquers or lacquer corrosives that contain NC (nitrocellulose). Risk of self-ignition. Please observe the german accident prevention directive VBG 23.

11 Toxicological information

Acute toxicity:
LD/LC50 values relevant for classification:
64742-49-0 Naphtha (petroleum), hydrotreated light

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

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

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
Inhalative	LC50/4 h	>5 mg/l (rat)

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96-29-7 2-butanone oxime

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

Additional toxicological information:

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. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us. 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:****64742-49-0 Naphtha (petroleum), hydrotreated light**

EC50	<130 mg/kg (Oncorhynchus mykiss (Regenbogenforelle))
	>100 mg/kg (selenastrum capricornutum)

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow product to reach ground water, water course or sewage system.

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.

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Recommended cleansing agents: Solvent naphtha**14 Transport information****Land transport ADR/RID (cross-border)**

ADR/RID class: 3 Flammable liquids.
Danger code (Kemler): 30
UN-Number: 1263
Packaging group: III
Hazard label: 3
Description of goods: 1263 PAINT

Maritime transport IMDG:

IMDG Class: 3
UN Number: 1263
Label 3
Packaging group: III
EMS Number: F-E,S-E
Marine pollutant: No
Proper shipping name: PAINT

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: 3
UN/ID Number: 1263
Label 3
Packaging group: III
Proper shipping name: PAINT

15 Regulatory information**Labelling according to EU guidelines:**

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

Risk phrases: 10 Flammable.

Safety phrases:

- 2 Keep out of the reach of children.
- 16 Keep away from sources of ignition - No smoking.
- 23 Do not breathe fumes/aerosol.
- 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.
- 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

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- 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).

Must not be applied on the same spraying stand as lacquers or lacquer corrosives that contain NC (nitrocellulose). Risk of self-ignition. Please observe the german accident prevention directive VBG 23.

Contains 2-butanone oxime. May produce an allergic reaction.

Safety data sheet available for professional user on request.

National regulations:**VOC (EC)**

< 500 g/l (VOC-max. = 500 g/l (2007 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.

Relevant R-phrases

- 10 Flammable.
- 65 Harmful: may cause lung damage if swallowed.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.

Department issuing MSDS:

product safety department

Contact:

Hr. Dr. Starp