

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 10/11/2010

Reviewed on 10/11/2010

1 Identification of substance

Product details

Trade name: **5125 Osmo Polyx® Professional Hardwax-Oil**

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

Information department: Product safety department
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2 Composition/Data on components

Chemical characterization

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

Dangerous components:

136-52-7	cobalt carboxylate	Xn, Xi, N; R 22-38-43-51/53	≤1%
96-29-7	2-butanonoxime	Carc. Cat. 3; Xn, Xi; R 21-40-41-43	≤1%

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

3 Hazards identification

Hazard description: Not applicable.

Information pertaining to particular dangers for man and environment: The product does not have to be labelled due to the calculation procedure of international guidelines.

Classification system: The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

NFPA ratings (scale 0 - 4) Health = 1
Fire = 1
Reactivity = 0

HMIS-ratings (scale 0 - 4) Health = 1
Fire = 1
Reactivity = 0

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. If irritation persists get medical attention.
After swallowing:	If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting; immediately call for medical help.
Information for doctor: The following symptoms may occur:	Dizziness Headache

5 Fire fighting measures

Suitable extinguishing agents:	CO2, extinguishing 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 material, 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
Measures for environmental protection:	Do not allow product to reach sewage system or any water course. 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).
Additional information:	No dangerous substances are released. See Section 13 for disposal information.

7 Handling and storage

Handling:	
Information for safe handling:	Use only in well ventilated areas.

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	Keep away from heat and direct sunlight. Keep receptacles tightly sealed. Prevent formation of aerosols.
Information about protection against explosions and fires:	No special measures required.
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:	Keep receptacle tightly sealed. Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls and personal protection

Additional information about design of technical systems:	No further data; see item 7.
Components with limit values that require monitoring at the workplace:	The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
Additional information:	The lists that were valid during the creation were used as basis.
Personal protective equipment:	
General protective and hygienic measures:	The usual precautionary measures for handling chemicals should be followed. 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. Avoid contact with the eyes and skin.
Breathing equipment:	Not necessary if room is well-ventilated. Use suitable respiratory protective device only when aerosol or mist is formed.
Protection of hands:	Protective gloves To avoid skin problems reduce the wearing of gloves to the required minimum. 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

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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

For the permanent contact of a maximum of 15 minutes 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: Viscous
Color: Yellowish
Odor: Mild

Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: > 200°C (> 392°F)

Flash point: > 100°C (> 212°F) (DIN 53213)

Auto igniting: Product is not selfigniting.

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

Density at 20°C (68°F): 0.94-0.98 g/cm³ (DIN 51757)

Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

Viscosity:

Kinematic at 20°C (68°F): 70 - 80 s (DIN 53211/4)

Solvent content:

VOC content: < 50 g/l

10 Stability and reactivity

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

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Materials to be avoided:	Keep away from heat, ignition sources and incompatible materials.
Dangerous reactions	Reacts with fabric soaked in the product (e.g. cleaning wool).
Dangerous products of decomposition:	Carbon monoxide and carbon dioxide
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 that are relevant for classification:****96-29-7 2-butanonoxime**

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: Sensitizing effect by skin contact is possible with prolonged exposure.

Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information

Ecotoxicological effects:**Acquatic toxicity:****96-29-7 2-butanonoxime**

EC50 / 48h	750 mg/l (daphnia)
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Behavior in sewage processing plants:**96-29-7 2-butanonoxime**

EC50/ 96h	320-1000 mg/l (Leuciscus idus)
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Additional ecological information:

General notes: Generally not hazardous for water

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13 Disposal considerations

Product:

Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

14 Transport information

DOT regulations:

Hazard class: -

Land transport ADR/RID (cross-border):

ADR/RID class: -

Maritime transport IMDG:

IMDG Class: -

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: -

Transport/Additional information:

Not dangerous according to the above specifications.

15 Regulations

Sara**Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

TSCA (Toxic Substances Control Act):

All ingredients are listed.

Proposition 65**Chemicals known to cause cancer:**

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

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Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

Carcinogenicity categories

EPA (Environmental Protection Agency)

None of the ingredients is listed.

IARC (International Agency for Research on Cancer)

136-52-7 cobalt carboxylate

2B

NTP (National Toxicology Program)

None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

Product related hazard informations:

Although this product is not subject to identification regulations, we recommend that the safety suggestions are observed.

Observe the general safety regulations when handling chemicals.

Safety phrases:

2 Keep out of the reach of children.

24/25 Avoid contact with skin and eyes.

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

51 Use only in well-ventilated areas.

Special labeling 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)

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

R 22 harmful if swallowed.

R 38 irritating to skin.

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R 43 may cause sensitization by skin contact.

R 51/53 toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

R 21 harmful in contact with skin.

R 40 possible risks of irreversible effects.

R 41 risk of serious damage to eyes.

Department issuing MSDS: product safety department

Contact: Hr. Dr. Starp