

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 29.01.2010

Revision: 29.01.2010

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

Product details

Trade name: Osmo Natural Oil Woodstain

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 / 30686 790 advisory service in German and English

2 Hazards identification

Hazard description: Not applicable.

Information concerning particular hazards for human and environment:

The product does not have 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.

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 | Naphtha (petroleum), hydrotreated heavy | Xn; R 65-66 | 25-50% |
| CAS: 34590-94-8 EINECS: 252-104-2 | (2-methoxymethylethoxy)propanol | | 2.5-10% |

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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| | |
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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: | 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: | 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: | 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. |
| Additional information: | See Section 13 for disposal information. |

7 Handling and storage

| | |
|---------------------------------------|----------------------------------|
| Handling: | |
| Information for safe handling: | Keep receptacles tightly sealed. |

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Information about fire - and explosion protection:

Use only in well ventilated areas.
Keep away from heat and direct sunlight.
Prevent formation of aerosols.

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:**34590-94-8 (2-methoxymethylethoxy)propanol**

| | |
|-----|---|
| WEL | Long-term value: 0.1 mg/m ³ as Co; Carc |
|-----|---|

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
Keep away from foodstuffs, beverages and feed.
Avoid contact with the eyes and skin.
Do not inhale gases / fumes / aerosols.

Respiratory protection: 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

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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

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: > 61°C (DIN 53213)

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 - 1.1 g/cm³ (DIN 51757)

Solubility in / Miscibility with water:

Not miscible or difficult to mix.

Viscosity:

Kinematic at 20°C: 25 - 35 s (DIN 53211/4)
> 30 s (ISO 3mm)

Solvent content:

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

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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).

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 Naphtha (petroleum), hydrotreated heavy**

Oral LD50 >2000 mg/kg (rat)

Dermal LD50 >2000 mg/kg (rat)

Inhalative LC50 / 4h >5 mg/l (rat)

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:

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.

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12 Ecological information**Ecotoxicological effects:****Acquatic toxicity:****64742-48-9 Naphtha (petroleum), hydrotreated heavy**

EC50 / 48h >1000 mg/l (daphnia)

IC50 / 72h >1000 mg/l (algae)

LC50 / 96h >1000 mg/l (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**Air transport ICAO-TI and IATA-DGR:****ICAO/IATA Class:** -

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

Observe the general safety regulations when handling chemicals.
Although this product is not subject to identification regulations, we recommend that the safety suggestions are observed.

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.
- 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-butanonoxime, dichlofluanid (ISO), cobalt carboxylate. 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