

## Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 11.02.2008

Revision: 11.02.2008

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

#### Product details

**Trade name:** 2104 Osmo Opaque Gloss Wood Stain, white

**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 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	Naphtha (petroleum), hydrotreated heavy	Xn; R 65-66	10-25%
EINECS: 265-150-3			

**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.

**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.

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**After swallowing:**

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

### 5 Fire-fighting measures

- Suitable extinguishing agents:** CO<sub>2</sub>, 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.  
 Ensure adequate ventilation
- 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).

### 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.  
 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 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).

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**Further information about storage conditions:**

Do not store together with oxidizing and acidic materials.  
 Keep container tightly sealed.  
 Store receptacle in a well ventilated area.  
 Protect from frost.  
 Protect from heat and direct sunlight.

**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 <sup>3</sup> Source UK SIA
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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.

**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 through 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

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### 9 Physical and chemical properties

#### General Information

**Form:** Fluid  
**Colour:** White  
**Odour:** Mild

#### Change in condition

**Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** > 180°C (DIN 51751)

**Flash point:** >57°C (DIN 52231)

**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 %

**Vapour pressure:** 3 hPa [20°C]

**Density at 20°C:** 1.25 - 1.35 g/cm<sup>3</sup> (DIN 51757)

**Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

#### Viscosity:

**Kinematic at 20°C:** < 40 s (ISO 6 mm)

**Solvent separation test:** < 3 % (ADR 2.2.1.4f)

#### Solvent content:

**VOC (EC)** < 300 g/l (VOC-max. = 300 g/l (2010 A/d))

### 10 Stability and reactivity

**Thermal decomposition / conditions to be avoided:**

**Dangerous reactions**

No decomposition if used and stored according to specifications.  
 Reacts with fabric soaked in the product (e.g. cleaning wool).  
 Exothermic reaction.  
 Forms heat.  
 Self igniting.  
 Reacts with acids, alkalis and oxidizing agents.

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**Dangerous decomposition products:**

Carbon monoxide and carbon dioxide  
 Nitrogen oxides (NO<sub>x</sub>)

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

**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.

### 12 Ecological information

**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.

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### 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.

### 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:** -  
**UN Number:** 1263  
**Label:** 3  
**Packaging group:** III  
**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

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### 15 Regulatory information

**Labelling according to EU guidelines:**

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

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-butanone oxime. May produce an allergic reaction.

Safety data sheet available for professional user on request.

**National regulations:**

**VOC (EC)**

< 300 g/l (VOC-max. = 300 g/l (2010 A/d))

### 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**

- 65 Harmful: may cause lung damage if swallowed.
- 66 Repeated exposure may cause skin dryness or cracking.

**Department issuing MSDS:**

product safety department

**Contact:**

Hr. Dr. Starp