

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/25/2018

Reviewed on 05/09/2018

1 Identification

Product identifier
Trade name: Osmo Wood Wax Finish

Article number: 3101, 3102, 3103, 3104, 3105, 3111, 3115, 3116, 3118, 3119, 3123, 3125, 3131, 3132, 3136, 3137, 3138, 3143, 3161, 3164, 3165, 3166, 3168, 3169, 3172, 3181, 3186, 3188

Application of the substance / the mixture Coating compound/ Surface coating/ paint

Details of the supplier of the safety data sheet
Manufacturer/Supplier: Osmo Holz und Color GmbH & Co. KG
 Affhüppen Esch 12
 D-48231 Warendorf
 Germany

Information department: Product safety department
 Phone: +49 (0) 251 / 692 - 188
 Fax: +49 (0) 251 / 692 - 462
 e-mail: helmut.starp@osmo.de

Emergency telephone number: 24h-Emergency Phone Number:
 For Chemical Emergency, Spill; Leak; Fire Exposure or Accident Call Day or Night within USA and Canada 1-800-424-9300
 Outside USA and Canada 001-703-527-3887 (WISAG FMO cargo Services GmbH & Co.KG)

2 Hazard(s) identification

Classification of the substance or mixture

Flam. Liq. 4 H227 Combustible liquid.

Carc. 2 H351 Suspected of causing cancer.

Label elements
GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms


GHS08

Signal word

Warning

Hazard-determining components of labeling:

titanium dioxide

Hazard statements

H227 Combustible liquid.

H351 Suspected of causing cancer.

Precautionary statements

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

P101 If medical advice is needed, have product container or label at hand.

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/25/2018

Reviewed on 05/09/2018

Trade name: Osmo Wood Wax Finish

(Contd. of page 1)

P102 Keep out of reach of children.

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from flames and hot surfaces. – No smoking.

P280 Wear protective gloves / eye protection.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

Observe the general safety regulations when handling chemicals.

Always wear a dust mask when sanding.

Information pertaining to particular dangers for man and environment:

CAUTION: Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water filled metal container to prevent this.

Classification system:**NFPA ratings (scale 0 - 4)**

Health = 0

Fire = 2

Reactivity = 0

HMIS-ratings (scale 0 - 4)

Health = 0



Fire = 2

Reactivity = 0

Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

3 Composition/information on ingredients

Chemical characterization: Mixtures**Description:** Mixture of the substances listed below with nonhazardous additions.**Dangerous components:**

| | | | |
|------------|---------------------------------|---|---------|
| 64742-48-9 | aliphatic hydrocarbons, C10-C13 |  Asp. Tox. 1, H304; Flam. Liq. 4, H227 | 25-50% |
| 13463-67-7 | titanium dioxide |  Carc. 2, H351 | 1.5-35% |

Additional information: The content of Titanium dioxide varies according to the colour shade

4 First-aid measures

Description of first aid measures**General information:** Immediately remove any clothing soiled by the product.

(Contd. on page 3)

Safety Data Sheet
acc. to OSHA HCS



Printing date 05/25/2018

Reviewed on 05/09/2018

Trade name: Osmo Wood Wax Finish

(Contd. of page 2)

| | |
|---|---|
| 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: | |
| Most important symptoms and effects, both acute and delayed | No further relevant information available. |
| Indication of any immediate medical attention and special treatment needed | No further relevant information available. |

5 Fire-fighting measures

| | |
|--|---|
| Extinguishing media | |
| 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 arising from the substance or mixture | Formation of toxic gases is possible during heating or in case of fire. |
| Advice for firefighters | |
| 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

| | |
|--|--|
| Personal precautions, protective equipment and emergency procedures | Keep away from ignition sources Ensure adequate ventilation |
| Environmental precautions: | Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water. |
| Methods and material for containment and cleaning up: | Warm water and cleansing agent Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). |
| Reference to other sections | See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information. |

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/25/2018

Reviewed on 05/09/2018

Trade name: **Osmo Wood Wax Finish**

(Contd. of page 3)

Protective Action Criteria for Chemicals

PAC-1:

| | | |
|------------|--------------------------------------|-------------------------|
| 13463-67-7 | titanium dioxide | 30 mg/m ³ |
| 7631-86-9 | silicon dioxide, chemically prepared | 18 mg/m ³ |
| 14808-60-7 | Quartz (SiO ₂) | 0.075 mg/m ³ |
| 1333-86-4 | Carbon black | 9 mg/m ³ |
| 20344-49-4 | iron hydroxide oxide | 24 mg/m ³ |

PAC-2:

| | | |
|------------|--------------------------------------|-----------------------|
| 13463-67-7 | titanium dioxide | 330 mg/m ³ |
| 7631-86-9 | silicon dioxide, chemically prepared | 740 mg/m ³ |
| 14808-60-7 | Quartz (SiO ₂) | 33 mg/m ³ |
| 1333-86-4 | Carbon black | 99 mg/m ³ |
| 20344-49-4 | iron hydroxide oxide | 260 mg/m ³ |

PAC-3:

| | | |
|------------|--------------------------------------|-------------------------|
| 13463-67-7 | titanium dioxide | 2,000 mg/m ³ |
| 7631-86-9 | silicon dioxide, chemically prepared | 4,500 mg/m ³ |
| 14808-60-7 | Quartz (SiO ₂) | 200 mg/m ³ |
| 1333-86-4 | Carbon black | 590 mg/m ³ |
| 20344-49-4 | iron hydroxide oxide | 1,600 mg/m ³ |

7 Handling and storage

Handling:

Precautions 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 protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Conditions for safe storage, including any incompatibilities

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.

(Contd. on page 5)

Safety Data Sheet
acc. to OSHA HCS

Printing date 05/25/2018

Reviewed on 05/09/2018

Trade name: Osmo Wood Wax Finish

(Contd. of page 4)

Further information about storage conditions:

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

Storage class:

10

Specific end use(s)

No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical systems:

No further data; see item 7.

Control parameters

Components with limit values that require monitoring at the workplace:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

Additional information:

The lists that were valid during the creation were used as basis.

Exposure controls

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.

Breathing equipment:

Not necessary if room is well-ventilated.
Use suitable respiratory protective device only when aerosol or mist is formed.
Short term filter device:
Gas filter EN 14387 Type A (organic gas / vapor (boiling point > 65 ° C)).

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
Recommended thickness of the material: ≥ 0.4 mm

As protection from splashes gloves made of the following materials are suitable:

Nitrile rubber, NBR

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/25/2018

Reviewed on 05/09/2018

Trade name: Osmo Wood Wax Finish

(Contd. of page 5)

Eye protection: Goggles recommended during refilling.

Body protection: Protective work clothing

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form: Fluid
Color: According to product specification
Odor: Mild

Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: > 180 °C (>356 °F) (DIN 51751)

Flash point: ≥ 61 °C (≥141.8 °F) (DIN EN ISO 2719)

Ignition temperature: 240 °C (464 °F)

Auto igniting: Product is not selfigniting.

Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

Explosion limits:

Lower: 0.7 Vol %
Upper: 6.0 Vol %

Vapor pressure: 3 hPa [20°C]

Density at 20 °C (68 °F): 0.90 - 1.4 g/cm³ (7.511-11.683 lbs/gal) (DIN 51757)

Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

Viscosity:

Dynamic: Not determined.
Kinematic at 20 °C (68 °F): > 40 s (DIN 53211/4)
 >21 mm²/s (40°C)

Solvent content:

VOC content: < 400 g/l
 < 400 g/l / < 3.33 lb/gl

Other information No further relevant information available.

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/25/2018

Reviewed on 05/09/2018

Trade name: Osmo Wood Wax Finish

(Contd. of page 6)

10 Stability and reactivity

| | |
|--|--|
| Reactivity | No further relevant information available. |
| Chemical stability | |
| Thermal decomposition / conditions to be avoided: | No decomposition if used and stored according to specifications. |
| Possibility of hazardous reactions | Reacts with fabric soaked in the product (e.g. cleaning wool). Reacts with acids, alkalis and oxidizing agents. |
| Conditions to avoid | No further relevant information available. |
| Incompatible materials: | No further relevant information available. |
| Hazardous decomposition products: | Carbon monoxide and carbon dioxide Nitrogen oxides (NO _x) |
| Additional information: | CAUTION: Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water filled metal container to prevent this. |

11 Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification:

64742-48-9 aliphatic hydrocarbons, C10-C13

| | | |
|------------|-----------|-------------------------------|
| Oral | LD50 | >5,000 mg/kg (rat) (OECD 401) |
| Dermal | LD50 | >5,000 mg/kg (rat) (OECD 402) |
| Inhalative | LC50 / 4h | 21 mg/l (rat) (OECD 403) |

13463-67-7 titanium dioxide

| | | |
|--------|------|------------------------|
| Oral | LD50 | >20,000 mg/kg (rat) |
| Dermal | LD50 | >10,000 mg/kg (rabbit) |

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: No 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.

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/25/2018

Reviewed on 05/09/2018

Trade name: Osmo Wood Wax Finish

(Contd. of page 7)

Carcinogenic categories

IARC (International Agency for Research on Cancer)

| | | |
|------------|--------------------------------------|----|
| 13463-67-7 | titanium dioxide | 2B |
| 7631-86-9 | silicon dioxide, chemically prepared | 3 |
| 1333-86-4 | Carbon black | 2B |
| 14808-60-7 | Quartz (SiO ₂) | 1 |

NTP (National Toxicology Program)

| | | |
|------------|----------------------------|---|
| 14808-60-7 | Quartz (SiO ₂) | K |
|------------|----------------------------|---|

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

Toxicity

Aquatic toxicity:

64742-48-9 aliphatic hydrocarbons, C10-C13

| | |
|----------------------|----------------------------------|
| EC50 / 48h | >1,000 mg/l (daphnia) (OECD 202) |
| EC50/ 72h | >1,000 mg/l (algae) (OECD 201) |
| LC50 / 96h | >1,000 mg/l (fish) (OECD 203) |
| Biolog. Abbaubarkeit | % (leicht abbaubar) |

Persistence and degradability No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Additional ecological information:

General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods

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

(Contd. on page 9)

Safety Data Sheet
acc. to OSHA HCS



Printing date 05/25/2018

Reviewed on 05/09/2018

Trade name: Osmo Wood Wax Finish

(Contd. of page 8)

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

14 Transport information

| | |
|--|--|
| UN-Number DOT, ADR, ADN, IMDG, IATA | Void |
| UN proper shipping name DOT, ADN, IMDG, IATA ADR | Void Void |
| Transport hazard class(es) DOT, ADR, ADN, IMDG, IATA Class | Void |
| Packing group DOT, ADR, IMDG, IATA | Void |
| Environmental hazards: Marine pollutant: | No |
| Special precautions for user | Not applicable. |
| Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| Transport/Additional information: | Not dangerous according to the above specifications. |
| UN "Model Regulation": | Void |

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

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. |

(Contd. on page 10)

Safety Data Sheet
acc. to OSHA HCS

Printing date 05/25/2018

Reviewed on 05/09/2018

Trade name: Osmo Wood Wax Finish

(Contd. of page 9)

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

| | |
|------------|----------------------------|
| 13463-67-7 | titanium dioxide |
| 1333-86-4 | Carbon black |
| 14808-60-7 | Quartz (SiO ₂) |

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

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.

TLV (Threshold Limit Value established by ACGIH)

| | | |
|------------|---|----|
| 13463-67-7 | titanium dioxide | A4 |
| 14807-96-6 | Talc (Mg ₃ H ₂ (SiO ₃) ₄) | A4 |
| 1333-86-4 | Carbon black | A4 |
| 14808-60-7 | Quartz (SiO ₂) | A2 |

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

| | |
|------------|----------------------------|
| 13463-67-7 | titanium dioxide |
| 1333-86-4 | Carbon black |
| 14808-60-7 | Quartz (SiO ₂) |

GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms

GHS08

Signal word

Warning

Hazard-determining components of labeling:**Hazard statements**

titanium dioxide
H227 Combustible liquid.
H351 Suspected of causing cancer.

Precautionary statements

P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from flames and hot surfaces. – No smoking.
P280 Wear protective gloves / eye protection.
P308+P313 IF exposed or concerned: Get medical advice/attention.

(Contd. on page 11)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/25/2018

Reviewed on 05/09/2018

Trade name: Osmo Wood Wax Finish

(Contd. of page 10)

P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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 SDS: product safety department

Contact: Hr. Dr. Starp

Date of preparation / last revision 05/25/2018 / 2

Abbreviations and acronyms:

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- ACGIH: American Conference of Governmental Industrial Hygienists
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- NFPA: National Fire Protection Association (USA)
- HMIS: Hazardous Materials Identification System (USA)
- VOC: Volatile Organic Compounds (USA, EU)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- NIOSH: National Institute for Occupational Safety
- OSHA: Occupational Safety & Health
- TLV: Threshold Limit Value
- PEL: Permissible Exposure Limit
- REL: Recommended Exposure Limit
- Flam. Liq. 4: Flammable liquids – Category 4
- Carc. 2: Carcinogenicity – Category 2
- Carc. 2: Carcinogenicity – Category 2
- Asp. Tox. 1: Aspiration hazard – Category 1