

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/13/2017

Reviewed on 03/13/2017

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

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: Poison Center Berlin (24 h): +49 (0) 30 / 30686 790 consultation in German and English
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
H227 Combustible liquid.
H351 Suspected of causing cancer.

Hazard statements

Precautionary statements

Keep out of reach of children.
If medical advice is needed, have product container or label at hand.
P210 Keep away from flames and hot surfaces. – No smoking.
P271 Use only outdoors or in a well-ventilated area.

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- P280 Wear protective gloves.
- P262 Do not get in eyes, on skin, or on clothing.
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.
- P405 Store locked up.
- P403+P235 Store in a well-ventilated place. Keep cool.
- 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:

Warning:
Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of self-ignition)

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

Materials such as rags used with this product may begin to burn by themselves. After use, put rags in water or lay flat to dry, then discard.

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.

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<i>After inhalation:</i>	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
<i>After skin contact:</i>	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.
<i>After eye contact:</i>	Rinse opened eye for several minutes under running water. Then consult a doctor.
<i>After swallowing:</i>	If swallowed, seek medical advice immediately and show this container or label.
<i>Information for doctor:</i>	
<i>Most important symptoms and effects, both acute and delayed</i>	No further relevant information available.
<i>Indication of any immediate medical attention and special treatment needed</i>	No further relevant information available.

5 Fire-fighting measures

<i>Extinguishing media</i>	
<i>Suitable extinguishing agents:</i>	CO ₂ , extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
<i>For safety reasons unsuitable extinguishing agents:</i>	Water with full jet
<i>Special hazards arising from the substance or mixture</i>	Formation of toxic gases is possible during heating or in case of fire.
<i>Advice for firefighters</i>	
<i>Protective equipment:</i>	Mouth respiratory protective device.
<i>Additional information</i>	Cool endangered receptacles with water spray. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

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

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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.

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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 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.

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 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
Recommended thickness of the material: ≥ 0.4 mm

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

Nitrile rubber, NBR

Eye protection:

Goggles recommended during refilling.

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Body protection: Protective work clothing

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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 (≥ 142 °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/gal

Other information No further relevant information available.

10 Stability and reactivity

Reactivity No further relevant information available.

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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 (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

Information on toxicological effects**Acute toxicity:****LD/LC50 values that are relevant for classification:****64742-48-9 aliphatic hydrocarbons, C10-C13**

Oral	LD50	> 5000 mg/kg (rat) (OECD 401)
Dermal	LD50	> 5000 mg/kg (rat) (OECD 402)
Inhalative	LC50 / 4h	21 mg/l (rat) (OECD 403)

13463-67-7 titanium dioxide

Oral	LD50	>20000 mg/kg (rat)
Dermal	LD50	>10000 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.

Carcinogenic categories**IARC (International Agency for Research on Cancer)**

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

NTP (National Toxicology Program)

14808-60-7	Quartz (SiO ₂)	K
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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	> 1000 mg/l (daphnia) (OECD 202)
EC50/ 72h	> 1000 mg/l (algae) (OECD 201)
LC50 / 96h	> 1000 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.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

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14 Transport information

UN-Number <i>DOT, ADR, ADN, IMDG, IATA</i>	Void
UN proper shipping name <i>DOT, ADR, ADN, IMDG, IATA</i>	Void
Transport hazard class(es) <i>DOT, ADR, ADN, IMDG, IATA</i> Class	Void
Packing group <i>DOT, ADR, IMDG, IATA</i>	Void
Environmental hazards: <i>Marine pollutant:</i>	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.

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

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

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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:

titanium dioxide

Hazard statements

H227 Combustible liquid.

H351 Suspected of causing cancer.

Precautionary statements

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

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves.

P262 Do not get in eyes, on skin, or on clothing.

P201 Obtain special instructions before use.

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

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

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

P405 Store locked up.

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

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 03/13/2017 / 1

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

*** Data compared to the previous version altered.**

