

Safety Data Sheet

according to HPR, Schedule 1

Printing date 11/17/2017

Reviewed on 11/17/2017

1 Identification

1.1 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

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Supplier:
 Osmo Wood and Colour Canada Ltd.
 5515 – 92 ST NW
 Edmonton, Alberta T6E 3A4
 Canada
 Tel: 001 (877) 746 6583
 E-mail: info@osmo.ca

Manufacturer
 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

1.4 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 identification

2.1 Classification of the substance or mixture

Classification according to Hazardous Products Regulations

Flam. Liq. 4 H227 Combustible liquid.

Carc. 2 H351 Suspected of causing cancer.

2.2 Label elements

Labelling according to Hazardous Products Regulations

The product is classified and labeled according to the CLP regulation.

(Contd. on page 2)

Safety Data Sheet

according to HPR, Schedule 1

Printing date 11/17/2017

Reviewed on 11/17/2017

Trade name: Osmo Wood Wax Finish

(Contd. of page 1)

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

Keep out of reach of children.

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

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

P102 Keep out of reach of children.

P103 Read label before use.

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

P210 Keep away from heat. - No smoking.

P280 Wear protective gloves/protective clothing/eye protection/face 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 Store in a well-ventilated place.

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.

Hazard description:**WHMIS-symbols:**

B3 - Combustible liquid

**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

(Contd. on page 3)

Safety Data Sheet

according to HPR, Schedule 1

Printing date 11/17/2017

Reviewed on 11/17/2017

Trade name: Osmo Wood Wax Finish

(Contd. of page 2)

2.3 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.

3 Composition/Information on ingredients

3.2 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	15-40%
13463-67-7	titanium dioxide	 Carc. 2, H351	0-5%

4 First aid measures

4.1 Description of 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.

After swallowing:

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

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Firefighting measures

5.1 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

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters**Protective equipment:**

Mouth respiratory protective device.

Additional information

Cool endangered receptacles with water spray.

(Contd. on page 4)

Safety Data Sheet

according to HPR, Schedule 1

Printing date 11/17/2017

Reviewed on 11/17/2017

Trade name: Osmo Wood Wax Finish

(Contd. of page 3)

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep away from ignition sources
Ensure adequate ventilation

6.2 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.

6.3 Methods and material for containment and cleaning up:

Warm water and cleansing agent
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

6.4 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.

7 Handling and storage

7.1 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.

7.2 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.

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

7.3 Specific end use(s)

No further relevant information available.

(Contd. on page 5)

Safety Data Sheet
 according to HPR, Schedule 1

Printing date 11/17/2017

Reviewed on 11/17/2017

Trade name: Osmo Wood Wax Finish

(Contd. of page 4)

8 Exposure controls/ Personal protection

Additional information about design of technical systems: No further data; see item 7.

8.1 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.

8.2 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.

Body protection:

Protective work clothing

(Contd. on page 6)

Safety Data Sheet
 according to HPR, Schedule 1

Printing date 11/17/2017

Reviewed on 11/17/2017

Trade name: Osmo Wood Wax Finish

(Contd. of page 5)

9 Physical and chemical properties**9.1 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 (DIN 51751)

Flash point: ≥ 61 °C (DIN EN ISO 2719)**Ignition temperature:** 240 °C**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:** 0,90 - 1,4 g/cm³ (DIN 51757)**Solubility in / Miscibility with****Water:** Not miscible or difficult to mix.**Viscosity:**

Dynamic:	Not determined.
Kinematic at 20 °C:	> 40 s (DIN 53211/4)
	>21 mm ² /s (40°C)

9.2 Other information No further relevant information available.**10 Stability and reactivity****10.1 Reactivity** No further relevant information available.**10.2 Chemical stability****Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions

Reacts with fabric soaked in the product (e.g. cleaning wool).

Reacts with acids, alkalis and oxidizing agents.

10.4 Conditions to avoid

No further relevant information available.

(Contd. on page 7)

Safety Data Sheet

according to HPR, Schedule 1

Printing date 11/17/2017

Reviewed on 11/17/2017

Trade name: Osmo Wood Wax Finish

(Contd. of page 6)

10.5 Incompatible materials: No further relevant information available.

10.6 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

11.1 Information on toxicological effects
Acute toxicity: Based on available data, the classification criteria are not met.

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: Based on available data, the classification criteria are not met.

Sensitization: Based on available data, the classification criteria are not met.

Additional toxicological information:
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
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(Contd. on page 8)

Safety Data Sheet
 according to HPR, Schedule 1

Printing date 11/17/2017

Reviewed on 11/17/2017

Trade name: Osmo Wood Wax Finish

(Contd. of page 7)

12 Ecological information**12.1 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)

12.2 Persistence and degradability No further relevant information available.**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**Additional ecological information:****General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects** No further relevant information available.**13 Disposal considerations****13.1 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.**14 Transport information****14.1 UN-Number****DOT, TDG, ADN, IMDG, IATA** Void**14.2 UN proper shipping name****DOT** Void
COMBUSTIBLE LIQUID, N.O.S**TDG** Void**ADN, IMDG, IATA** Void

(Contd. on page 9)

Safety Data Sheet
 according to HPR, Schedule 1

Printing date 11/17/2017

Reviewed on 11/17/2017

Trade name: Osmo Wood Wax Finish

(Contd. of page 8)

14.3 Transport hazard class(es) <i>DOT, TDG, ADN, IMDG, IATA</i> Class	Void
14.4 Packing group <i>DOT, TDG, IMDG, IATA</i>	Void
14.5 Environmental hazards: <i>Marine pollutant:</i>	No
14.6 Special precautions for user	Not applicable.
14.7 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

15.1 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.

Canadian substance listings:**Canadian Domestic Substances List (DSL)**

All ingredients are listed.

Canadian Ingredient Disclosure list (limit 0.1%)

None of the ingredients is listed.

Canadian Ingredient Disclosure list (limit 1%)

None of the ingredients is listed.

15.2 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.

(Contd. on page 10)

Safety Data Sheet
 according to HPR, Schedule 1

Printing date 11/17/2017

Reviewed on 11/17/2017

Trade name: Osmo Wood Wax Finish

(Contd. of page 9)

Relevant phrases

H227 Combustible liquid.
 H304 May be fatal if swallowed and enters airways.
 H351 Suspected of causing cancer.

Department issuing SDS:

product safety department

Contact:

Hr. Dr. Starp

Date of preparation / last revision

11/17/2017 / 1

Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 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)
 WHMIS: Workplace Hazardous Materials Information System (Canada)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative

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