

Safety Data Sheet

according to HPR, Schedule 1

Printing date 12/07/2017

Reviewed on 12/07/2017

1 Identification

1.1 Product identifier

Trade name:

Osmo Country Colour

Article number:

2101 White; 2203 Light Ochre; 2204 Ivory; 2205 Sunflower Yellow; 2308 Nordic Red; 2310 Cedar/Redwood; 2311 Signal Red; 2404 Fir Green; 2501 Labrador Blue; 2506 Royal Blue; 2507 Dove Blue; 2606 Medium Brown; 2607 Dark Brown; 2703 Charcoal; 2704 Dust Grey; 2708 Pebble Grey; 2716 Anthracite Grey ; 2735 Light Grey; 2742 Traffic Grey

Application of the substance / the mixture

Coating compound/ Surface coating/ paint
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

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

Flam. Liq. 4 H227 Combustible liquid.

Carc. 2 H351 Suspected of causing cancer.

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2.2 Label elements**Classification and labeling**
**according to the Globally
Harmonized System (GHS).**

Classification and labeling 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

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

Keep out of reach of children.

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

P102 Keep out of reach of children.

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

P210 Keep away from heat. - No smoking.

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

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 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

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

Health = 0

Fire = 2

Reactivity = 0

HMIS-ratings (scale 0 - 4)

Health = 0

Fire = 2

Reactivity = 0

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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:

13463-67-7	titanium dioxide	 Carc. 2, H351	0-40%
64742-48-9	aliphatic hydrocarbons, C10-C13	 Asp. Tox. 1, H304; Flam. Liq. 4, H227	10-25%

Additional information:

The content of Titanium dioxide varies according to the colour shade

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.

Induce vomiting, only if affected person is fully conscious.

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.

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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

**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 frost.
 Protect from heat and direct sunlight.

Storage class:

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7.3 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.

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:

Use suitable respiratory protective device only when aerosol or mist is formed.

Not necessary if room is well-ventilated.

Short term filter device:

Filter A/P2

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

For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 374 Part 3: Level 6).

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

Nitrile rubber, NBR

Eye protection:

If risk of splashing:

Safety glasses according to EN 166:2001 (e.g. densely closing frame glasses with side protection)

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Trade name: Osmo Country Colour**Body protection:** Protective work clothing

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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: ≥ 63 °C (DIN 53213)**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: 0,6 Vol %
Upper: 7,0 Vol %

Vapor pressure: 3 hPa [20°C]**Density at 20 °C:** 1,05 - 1,30 g/cm³ (DIN 51757)**Solubility in / Miscibility with****Water:** Not miscible or difficult to mix.**Viscosity:**

Dynamic: Not determined.
Kinematic at 20 °C: 40-80 s (DIN 53211/4)
 >21 mm²/s (40°C)

Solvent separation test < 3 % (ADR 2.2.1.4f)**9.2 Other information** No further relevant information available.**10 Stability and reactivity****10.1 Reactivity** No further relevant information available.

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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.

10.5 Incompatible materials:

No further relevant information available.

10.6 Hazardous decomposition products:

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

Carbon monoxide and carbon dioxide

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

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
14808-60-7	Quartz (SiO ₂)	1

NTP (National Toxicology Program)

14808-60-7	Quartz (SiO ₂)	K
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12 Ecological information
12.1 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)

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, TDG, ADN, IMDG, IATA Void

14.3 Transport hazard class(es)
DOT, TDG, ADN, IMDG, IATA
Class Void

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14.4 Packing group DOT, TDG, IMDG, IATA	Void
14.5 Environmental hazards: Marine pollutant:	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%)

7631-86-9 | silicon dioxide, chemically prepared

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.

Relevant phrases

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

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Department issuing SDS: product safety department
Contact: Hr. Dr. Starp
Date of preparation / last revision 12/07/2017 / 22
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.**