

Safety Data Sheet

according to HPR, Schedule 1

Printing date 12/11/2017

Reviewed on 12/11/2017

1 Identification

1.1 Product identifier

Trade name: **Osmo Natural Oil Woodstain Effect**

Article number: 1140 Agate-Silver, 1142 Graphite-Silver, 1143 Onyx-Silver

Application of the substance / the mixture
 Paint
 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

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

Flam. Liq. 3 H226 Flammable liquid and vapour.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Carc. 2 H351 Suspected of causing cancer.

2.2 Label elements

Classification and labeling according to the Globally Harmonized System (GHS).

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Hazard pictograms

GHS02 GHS07 GHS08

Signal word

Warning

Hazard-determining components of labeling:

propiconazole

Hazard statements

H226 Flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

Precautionary statements

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.

P233 Keep container tightly closed.

P261 Avoid breathing mist/vapours/spray.

P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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

P321 Specific treatment (see on this label).

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

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.

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

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HMIS-ratings (scale 0 - 4)

Health = 0
 Fire = 2
 Reactivity = 0

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	10-30%
34590-94-8	(2-methoxymethylethoxy)propanol Flam. Liq. 4, H227	5-10%
67-63-0	propan-2-ol  Flam. Liq. 2, H225;  Eye Irrit. 2A, H319; STOT SE 3, H336	1-5%
7429-90-5	aluminium powder (stabilised)  Flam. Sol. 1, H228	0.5-1.5%
60207-90-1	propiconazole  Acute Tox. 4, H302; Skin Sens. 1, H317	≤1%
13463-67-7	titanium dioxide  Carc. 2, H351	≤1%

4 First aid measures

4.1 Description of first aid measures

General information: Immediately remove any clothing soiled by the product.
 Take affected persons out into the fresh air.

After inhalation: Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
 In case of unconsciousness place patient stably in side position for transportation.

After skin contact: 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: Induce vomiting, only if affected person is fully conscious.
 If swallowed, seek medical advice immediately and show this container or label.

4.2 Most important symptoms and effects, both acute and delayed

Headache
 Dizziness

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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.

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

Ensure adequate ventilation
Keep away from ignition sources

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).
Ensure adequate ventilation.

6.4 Reference to other sections

See Section 13 for disposal information.

7 Handling and storage

7.1 Precautions for safe handling

Keep receptacles tightly sealed.
Use only in well ventilated areas.
Keep away from heat and direct sunlight.
Prevent formation of aerosols.

Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

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7.2 Conditions for safe storage, including any incompatibilities**Storage:****Requirements to be met by**

storerooms and receptacles: Store only in the original receptacle.
 Store in a cool location.

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:

Store receptacle in a well ventilated area.
 Protect from frost.
 Keep receptacle tightly sealed.
 Store in cool, dry conditions in well sealed receptacles.

Storage class: 3

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:****34590-94-8 (2-methoxymethylethoxy)propanol**

EL	Short-term value: 150 ppm Long-term value: 100 ppm Skin
EV	Short-term value: 910 mg/m ³ , 150 ppm Long-term value: 605 mg/m ³ , 100 ppm

67-63-0 propan-2-ol

EL	Short-term value: 400 ppm Long-term value: 200 ppm
EV	Short-term value: 400 ppm Long-term value: 200 ppm

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:**

Do not eat, drink, smoke or sniff while working.
 Do not carry product impregnated cleaning cloths in trouser pockets.
 Immediately remove all soiled and contaminated clothing.

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Breathing equipment:	Keep away from foodstuffs, beverages and feed. Avoid contact with the eyes and skin. Do not inhale gases / fumes / aerosols. Use suitable respiratory protective device only when aerosol or mist is formed. Not necessary if room is well-ventilated. Short term filter device: Gas filter EN 14387 Type A (organic gas / vapor (boiling point > 65 ° C)).
Protection of hands:	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
Eye protection:	Goggles recommended during refilling.
Body protection:	Protective work clothing

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

Flash point: 43-59 °C (DIN 53213)

Ignition temperature: 240 °C

Auto igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

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Explosion limits:	
Lower:	0,6 Vol %
Upper:	7,0 Vol %
Density at 20 °C:	0,97-0,99 g/cm ³ (DIN 51757)
Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
Viscosity:	
Dynamic:	Not determined.
Kinematic at 20 °C:	43-60 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.
10.5 Incompatible materials:	No further relevant information available.
10.6 Hazardous decomposition products:	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)

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Inhalative	LC50 / 4h	21 mg/l (rat) (OECD 403)
34590-94-8 (2-methoxymethylethoxy)propanol		
Oral	LD50	> 5000 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rat) 13000 - 14000 mg/kg (rabbit)
Inhalative	LC50 / 4h	500 mg/l (rat)
	LC50 / 72h	0.76 mg/l (senastrum capricornutum)
67-63-0 propan-2-ol		
Oral	LD50	5045 mg/kg (rat)
Dermal	LD50	12800 mg/kg (rabbit)
Inhalative	LC50 / 4h	30 mg/l (rat)
60207-90-1 propiconazole		
Oral	LD50	1517 mg/kg (rat) (OECD- Prüfrichtlinie 401)
Dermal	LD50	> 4000 mg/kg (rat)
Inhalative	LC50 / 4h	5.8 mg/l (rat) (403 Acute Inhalation Toxicity)

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: May cause an allergic skin reaction.

Additional toxicological information:**Carcinogenic categories**

IARC (International Agency for Research on Cancer)		
67-63-0	propan-2-ol	3
7631-86-9	silicon dioxide, chemically prepared	3
13463-67-7	titanium dioxide	2B
14808-60-7	Quartz (SiO ₂)	1
NTP (National Toxicology Program)		
14808-60-7	Quartz (SiO ₂)	K

12 Ecological information**12.1 Toxicity****Aquatic toxicity:**

34590-94-8 (2-methoxymethylethoxy)propanol		
EC50 / 48h (static)	1919 mg/l	(daphnia)

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LC50 / 96h	5.3 mg/l (Oncorhynchus mykiss (Regenbogenforelle))
LC50 / 48h	10.2 mg/l (Oncorhynchus mykiss (Regenbogenforelle))
60207-90-1 propiconazole	
EC50 / 48h	10.2 mg/l (daphnia) (202 Daphnia sp. acute Immobilization)
EC50/ 72h	9 mg/l (algae) (201 Alga Growth, Inhibition Test (Biomasse))
LC50 / 96h	4.3 mg/l (fish) (203 Fish Acute Toxicity)
LC50 / 48h	10.2 mg/l (fish)

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.

Ecotoxicological effects:

Remark: Harmful to fish

Additional ecological information:

General notes: Water hazard class 2 (Self-assessment): hazardous for water
 Danger to drinking water if even small quantities leak into the ground.

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.

Recommended cleansing agent: Solvent naphtha

14 Transport information

14.1 UN-Number

DOT, TDG, IMDG, IATA UN1263

14.2 UN proper shipping name

DOT Paint

TDG 1263 Paint

IMDG, IATA PAINT

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14.3 Transport hazard class(es)**DOT, IMDG, IATA****Class** 3 Flammable liquids**Label** 3**TDG (Transport dangerous goods):****Class** 3 (F1) Flammable liquids**Label** 3**14.4 Packing group****DOT, TDG, IMDG, IATA** III**14.5 Environmental hazards:****Marine pollutant:** No**14.6 Special precautions for user**

Warning: Flammable liquids

Danger code (Kemler): 30**EMS Number:** F-E,S-E**Stowage Category** A**14.7 Transport in bulk according to Annex II of****MARPOL73/78 and the IBC Code** Not applicable.**Transport/Additional information:****DOT****Quantity limitations** On passenger aircraft/rail: 60 L
On cargo aircraft only: 220 L**TDG****Excepted quantities (EQ)** Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml**IMDG****Limited quantities (LQ)** 5L
Excepted quantities (EQ) Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml**UN "Model Regulation":**

UN 1263 PAINT, 3, III

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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):

67-63-0 | propan-2-ol

60207-90-1 | propiconazole

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%)

34590-94-8 | (2-methoxymethylethoxy)propanol

67-63-0 | propan-2-ol

National regulations:**Marking in accordance with european biocide guideline 98/8/EG**

60207-90-1 | propiconazole

8.6 g/kg

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

H225 Highly flammable liquid and vapour.
 H227 Combustible liquid.
 H228 Flammable solid.
 H302 Harmful if swallowed.
 H304 May be fatal if swallowed and enters airways.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.
 H351 Suspected of causing cancer.

Department issuing SDS:

product safety department

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Contact: Hr. Dr. Starp

Date of preparation / last revision 12/11/2017 / 5

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.**