

Safety Data Sheet

according to HPR, Schedule 1

Date of issue 11/18/2025

Version number 3.0

Revision: 11/18/2025

1 Identification

Product identifier
Trade name: Decking-Oil

Other means of identification
Article number: 1272 Thermowood Oil, 1273 Bangkirai Dark, 1274 Mahogany, 1275 Gray,
1276 Roesewood, 1277 Clear, 1278 Bangkirai

**Application of the substance
/ the mixture**

Conjugated Oil Varnish

Details of the supplier of the safety data sheet
Manufacturer/Supplier:
Supplier

 Osmo Wood and Colour Canada Ltd.
 420 Thompson Drive - Unit 2
 N1T 2K8 Cambridge, ON
 Canada
 Tel: +1-844-OSMOCAN
 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
 Tel.: +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 (CCN 16475)

2 Hazard identification

Classification of the substance or mixture

Flammable liquids – Category 4 H227 Combustible liquid.

Label elements
Hazard pictograms

Void

Signal word

Warning

Hazard statements

H227 Combustible liquid.

Precautionary statements

 P101 If medical advice is needed, have product container or label at
hand.
 P102 Keep out of reach of children.
 P103 Read carefully and follow all instructions.

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- P210 Keep away from flames and hot surfaces. No smoking.
- P262 Do not get in eyes, on skin, or on clothing.
- P271 Use only outdoors or in a well-ventilated area.
- P370+P378 In case of fire: Use CO₂, powder or water spray to extinguish.
- P403 Store in a well-ventilated place.
- P501 Dispose of contents/container in accordance with national regulations.

Information pertaining to particular dangers for man and environment:**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

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.

Observe the general safety regulations when handling chemicals.


Always wear a dust mask when sanding.

3 Composition/Information on ingredients

Chemical characterization: Mixtures**Description:**

Mixture of the substances listed below with nonhazardous additions.

Dangerous components:

CAS: 64742-48-9	aliphatic hydrocarbons, C10-C13 n-alkanes, i-alkanes, cyclics, aromatics < 2 %	10–30% w/w *
	 Aspiration hazard – Category 1, H304; Flammable liquids – Category 4, H227	

* Actual concentration ranges are withheld as a trade secret.

4 First-aid measures

Description of first aid measures**General information:**

No special measures required.

Take affected persons out into the fresh air.

After inhalation:

Supply fresh air; consult doctor in case of complaints.

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 or rash occurs: Get medical advice/attention.

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After eye contact:

Rinse opened eye for several minutes under running water.

After swallowing:

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

Do NOT induce vomiting.

**Most important symptoms
and effects, both acute and
delayed**

Dizziness

**Indication of any immediate
medical attention and special
treatment needed**

If swallowed or in case of vomiting, danger of entering the lungs.

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.
 Carbon monoxide (CO)
 carbon dioxide (CO₂)
Advice for firefighters**Protective equipment:**
 Mouth respiratory protective device.
 Do not inhale explosion gases or combustion gases.
 Wear self-contained respiratory protective device.
 General measures for chemical fires.
Additional information
 Dispose of fire debris and contaminated fire fighting water in accordance with
 official regulations.
 Cool endangered receptacles with water spray.

6 Accidental release measures

**Personal precautions,
protective equipment and
emergency procedures**

 Ensure adequate ventilation
 Keep away from ignition sources
 Wear protective clothing.

**For non-emergency
personnel**

No action shall be taken involving any personal risk or without suitable training.

For emergency responders

Wear protective equipment. Keep unprotected persons away.

Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

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Methods and material for
containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

Dispose of the collected material according to regulations.

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

Precautions for safe handling No special precautions are necessary if used correctly.
General protective and**hygienic measures:**

Wash hands before breaks and at the end of work.

Do not eat, drink, smoke or sniff while working.

Do not carry product impregnated cleaning cloths in trouser pockets.

Information about protection**against explosions and fires:**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Handling:

Even a small sip can lead to life-threatening damage to the lungs. Keep rags filled with this liquid out of the reach of children.

Conditions for safe storage, including any incompatibilities**Storage:****Requirements to be met by**
storerooms and receptacles: No special requirements.
Information about storage in
one common storage facility: Not required.
Further information about**storage conditions:**

None.

Storage class:

VCI storage class (VCI = German Association of the Chemical Industry): 10

Specific end use(s)

No further relevant information available.

8 Exposure controls/ Personal protection

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.

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Exposure controls**Personal protective equipment:****General protective and****hygienic measures:****Breathing equipment:**

The usual precautionary measures for handling chemicals should be followed.

Not necessary if room is well-ventilated.

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

In case of brief exposure or low pollution use respiratory filter device. In case

of intensive or longer exposure use respiratory protective device that is

independent of circulating air.

Half mask with round thread connection EN 148-1 (screw-on filter) and

combination filter A1 - P2 according to German DIN EN 14387.

Use a properly fitted, air-purifying or air-fed respirator complying with an

approved standard if a risk assessment indicates this is necessary.

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

The selection of the suitable gloves does not only depend on the material, but

also on further marks of quality and varies from manufacturer to manufacturer.

As the product is a preparation of several substances, the resistance of the

glove material can not be calculated in advance and has therefore to be

checked prior to the application.

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 the penetration time has to be at least 480 minutes

(Permeation according to EN 374 Part 3: Level 6).

For the mixture of chemicals mentioned below the penetration time has to be

at least 480 minutes (Permeation according to EN 16523-1:2015: Level 6).

Eye protection:

Goggles recommended during refilling.

9 Physical and chemical properties

Information on basic physical and chemical properties**General Information****Color:**

Different according to coloring

Odor:

Mild

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Odor threshold:	Not determined.
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	> 100 °C
Flammability:	Not applicable.
Explosion limits:	
Lower:	0.7 Vol %
Upper:	6.0 Vol %
Flash point:	> 61 °C (DIN EN ISO 2719)
Auto igniting:	> 200 °C
Decomposition temperature:	Not determined.
pH-value:	Not determined.
	Not applicable.
Viscosity:	
Dynamic:	Not determined.
Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined.
Vapor pressure:	Not determined.
Vapor pressure:	
Density at 20 °C:	1.029 g/cm ³ (DIN 51757)
Relative density	Not determined.
Particle characteristics	Not applicable.

Other information**Appearance:****Form:** Fluid**Important information on protection of health and environment, and on safety.****Ignition temperature:**

Product is not selfigniting.

Danger of explosion:

Product does not present an explosion hazard.

Solvent content:**VOC content:**

< 250 g/l

Environment Canada VOC Classification: 32 –
Conjugated Oil Varnish

Conjugated oil varnish for sealing wood with a film formation due to the polymerization of naturally occurring conjugated vegetable oil, modified with other natural or synthetic resins of which a minimum of 50% of the resin solids consist of conjugated oils, and that is supplied as a single component product.

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Change in condition**Evaporation rate**

Not determined.

10 Stability and reactivity

Reactivity

No further relevant information available.

Chemical stability**Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

Possibility of hazardous reactions

No dangerous reactions known.

Conditions to avoid

No further relevant information available.

Incompatible materials:

No further relevant information available.

Hazardous decomposition products:

No dangerous decomposition products known.

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

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:**

There is no acute toxicity expected. The product does not contain any toxic substance.

CAS: 64742-48-9 aliphatic hydrocarbons, C10-C13 n-alkanes, i-alkanes, cyclics, aromatics < 2 %

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rat)
Inhalative	LC50 / 4h	>5 mg/l (rat)

Primary irritant effect:**on the skin:**

No irritant effect.

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

on the eye:

No irritating effect.

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

Sensitization:

Sensitizing effect by skin contact is possible with prolonged exposure.

Subacute to chronic toxicity:

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

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Additional toxicological information:

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)

None of the ingredients is listed.

NTP (National Toxicology Program)

None of the ingredients is listed.

12 Ecological information

Toxicity
Aquatic toxicity:
CAS: 64742-48-9 aliphatic hydrocarbons, C10-C13 n-alkanes, i-alkanes, cyclics, aromatics < 2 %

EC50 / 48h >1,000 mg/l (Daphnia magna)

IC50 / 72h >1,000 mg/l (algae)

LC50 / 96h >1,000 mg/l (fish)

Persistence and degradability No further relevant information available.

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Results of PBT and vPvB assessment
PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects
Additional ecological information:
General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water

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 DOT/TDG, ADR, ADN, IMDG, IATA	Not applicable
UN proper shipping name DOT/TDG, ADR, ADN, IMDG, IATA	Not applicable
Transport hazard class(es) DOT/TDG, ADR, ADN, IMDG, IATA Class	Not applicable
Packing group DOT/TDG, ADR, IMDG, IATA	Not applicable
Environmental hazards: Marine pollutant:	No
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.
Special precautions for user	Not applicable.
UN "Model Regulation":	Not applicable

15 Regulatory information

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

No further relevant information available.

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 components have the value ACTIVE.

Canadian substance listings:
Canadian Domestic Substances List (DSL)

All ingredients are listed.

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Canadian Non-Domestic Substances List (NDSL)

None of the ingredients is 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.

GHS label elements

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

Hazard pictograms

Void

Signal word

Warning

Hazard statements

H227 Combustible liquid.

Precautionary statements

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

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

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

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

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

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

P403 Store in a well-ventilated place.

P501 Dispose of contents/container in accordance with national 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.

Relevant phrases

H227 Combustible liquid.

H304 May be fatal if swallowed and enters airways.

Department issuing SDS:

product safety department

Contact:

Hr. Dr. Starp

Date of previous version

04/02/2019

Version number of previous version:

2.0

Date of preparation

11/18/2025

Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

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)

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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

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

CA