

Safety Data Sheet

according to HPR, Schedule 1

Date of issue 11/17/2025

Version number 3.0

Revision: 11/17/2025

1 Identification

Product identifier
Trade name: Osmo TopOil

Other means of identification
Article number: 3025, 3026, 3045, 3056

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.
P210	Keep away from flames and hot surfaces. No smoking.
P262	Do not get in eyes, on skin, or on clothing.

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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.

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:**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.

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 %	30–50% 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: Take affected persons out into the fresh air.
Immediately remove any clothing soiled by the product.

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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:	If swallowed, seek medical advice immediately and show this container or label.
Most important symptoms and effects, both acute and delayed	No further relevant information available.
Indication of any immediate medical attention and special treatment needed	No further relevant information available.

5 Fire-fighting measures

Extinguishing media	
Suitable extinguishing agents:	CO ₂ , 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.
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

Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation Keep away from ignition sources
Environmental precautions:	Do not allow to enter sewers/ surface or ground water.
Methods and material for containment and cleaning up:	Warm water and cleansing agent Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

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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 Keep away from heat and direct sunlight.
 Use only in well ventilated areas.
 Keep receptacles tightly sealed.
 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 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 in cool, dry conditions in well sealed receptacles.
 Keep receptacle tightly sealed.

Storage class: 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.

Exposure controls

Personal protective equipment:

General protective and

hygienic measures:

Immediately remove all soiled and contaminated clothing.
 Keep away from foodstuffs, beverages and feed.
 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.

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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:

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

To avoid skin problems reduce the wearing of gloves to the required minimum.

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 16523-1:2015: Level 6).

For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

Nitrile rubber, NBR

As protection from splashes gloves made of the following materials are suitable:Recommended thickness of the material: ≥ 0.1 mm**Eye protection:**

Goggles recommended during refilling.

Body protection:

Protective work clothing

9 Physical and chemical properties

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

According to product specification

Odor:

Mild

Odor threshold:

Not determined.

Melting point/Melting range:

Undetermined.

Boiling point/Boiling range:

> 180 °C (DIN 51751)

Explosion limits:**Lower:**

0.6 Vol %

Upper:

7.0 Vol %

Flash point:

> 61 °C (DIN EN ISO 2719)

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Auto igniting:	240 °C
Decomposition temperature:	Not determined.
pH-value:	Not applicable
Viscosity:	
Dynamic at 20 °C:	60-65 s (DIN 53211/4mm)
Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Data not available
Vapor pressure:	Typical 30 - 93 Pa (0 °C / 32 °F) (solvent)
Vapor pressure:	
Density at 20 °C:	0.93-0.94 g/cm ³ (DIN 51757)
Particle characteristics	Not applicable.

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

Product is not selfigniting.

Danger of explosion:

Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

Solvent content:**VOC content:**

< 450 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.

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**

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

Conditions to avoid

No further relevant information available.

Incompatible materials:

No further relevant information available.

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Hazardous decomposition products:

 Carbon monoxide and carbon dioxide
 Nitrogen oxides (NO_x)

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

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: Undetermined.

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.

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)

CAS: 112926-00-8	Precipitated silica (Silica-Amorphous)	3
CAS: 14808-60-7	Quartz (SiO ₂)	1

NTP (National Toxicology Program)

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

Toxicity

Aquatic toxicity:

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

EC50 / 48h > 1000 mg/l (Daphnia magna) (OECD 202)

EC50/ 72h > 1000 mg/l (algae) (OECD 201)

LC50 / 96h > 1000 mg/l (fish) (OECD 203)

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.

Recommended cleansing agent:

Solvent naphtha

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

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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.
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.

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.

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Precautionary statements	P101	If medical advice is needed, have product container or label at hand.
	P102	Keep out of reach of children.
	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.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P370+P378	In case of fire: Use CO ₂ , 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

Version number of previous version: 2.5

Date of preparation 11/17/2025

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)
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.**