

Safety Data Sheet

according to HPR, Schedule 1

Date of issue 11/17/2025

Version number 4.0

Revision: 11/17/2025

1 Identification

Product identifier

Trade name: **Polymer Composite Maintenance Oil**

Other means of identification

Article number: 030 Clear satin

Application of the substance

/ the mixture Maintenance product
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
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.

Additional information: For the wording of the listed hazard phrases refer to section 16.

Label elements

Hazard pictograms Void

Signal word Warning

Hazard statements H227 Combustible liquid.

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Precautionary statements	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.
	P280	Wear protective gloves / eye protection.
	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.

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. Always wear a dust mask when sanding. Observe the general safety regulations when handling chemicals.
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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 %	25-50% 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.

After inhalation: Supply fresh air; consult doctor in case of complaints.

In case of unconsciousness place patient stably in side position for transportation.

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After skin contact:	Immediately wash with water and soap and rinse thoroughly. If skin irritation or rash occurs: Get medical advice/attention.
After eye contact:	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
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	Headache 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	No further relevant information available.
Advice for firefighters	General measures for chemical fires.
Protective equipment:	Cool endangered receptacles with water spray.
Additional information	

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep away from ignition sources Ensure adequate ventilation 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:	Inform respective authorities in case of seepage into water course or sewage system. 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.

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Warm water and cleansing agent

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

Use only in well ventilated areas.

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

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 respiratory protective device available.

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: Store only in the original receptacle.

Information about storage in

one common storage facility: Not required.

Further information about

storage conditions:

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Storage class:

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

Specific end use(s)

No further relevant information available.

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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:

Keep away from foodstuffs, beverages and feed.
 Avoid contact with the eyes and skin.
 Immediately remove all soiled and contaminated clothing.
 Do not inhale gases / fumes / aerosols.
 The usual precautionary measures for handling chemicals should be followed.
 Do not eat, drink, smoke or sniff while working.
 See Section 7 for information on safe handling.

Breathing equipment:

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:

To avoid skin problems reduce the wearing of gloves to the required minimum.
 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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

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**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).

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

Nitrile rubber, NBR

Eye protection:

Tightly sealed goggles

Body protection:

Protective work clothing

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Physical state

Liquid

Color:

Yellowish

Odor:

Mild

Odor threshold:

Not determined.

Melting point/Melting range:

Undetermined.

Boiling point/Boiling range:

$\geq 170\text{--}\leq 260$ °C (CAS: 64742-48-9 aliphatic hydrocarbons, C10-C13 n-alkanes, i-alkanes, cyclics, aromatics < 2 %)

Flammability:

Not applicable.

Explosion limits:

Lower:

0.6 Vol %

Upper:

7 Vol %

Flash point:

> 60 °C (DIN EN ISO 2719)

Decomposition temperature:

Not determined.

pH-value:

Mixture is non-polar/aprotic.

Viscosity:

Not determined.

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:

0.85–0.9 g/cm³ (DIN 51757)

Density at 20 °C:

Not determined.

Relative density

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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:	<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.
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 and stored according to specifications.
Possibility of hazardous reactions	Reacts with fabric soaked in the product (e.g. cleaning wool). Self igniting.
Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Incompatible materials:	No further relevant information available.
Hazardous decomposition products:	Carbon monoxide and carbon dioxide Nitrogen oxides (NOx)
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.

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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	>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:

No sensitizing effects known.

Subacute to chronic toxicity: Based on available data, the classification criteria are not met.

Additional toxicological information:

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.

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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.
Disposal must be made according to official regulations.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agent:

Water, if necessary with cleansing agents.
Solvent naphtha
Osmo Brush Cleaner and Thinner

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.

Special precautions for user

Not applicable.

UN "Model Regulation":

Not applicable

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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.

Precautionary statements

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.
P280	Wear protective gloves / eye protection.
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.

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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: 3.4

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

Sources Safety data sheets from raw material suppliers

ESIS : European chemical Substances Information System

ECHA Portal

*** Data compared to the previous version altered.** Additions, deletions, revisions