

Safety Data Sheet

according to HPR, Schedule 1

Date of issue 11/17/2025

Version number 2.0

Revision: 11/17/2025

1 Identification

Product identifier
Trade name: Polyx-Oil Raw

Other means of identification
Article number: 3051

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 heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- 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.

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.

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 %  Aspiration hazard – Category 1, H304; Flammable liquids – Category 4, H227	30–40% w/w *
CAS: 13463-67-7	titanium dioxide - aerodynamic diameter >10 µm	0.1–1% w/w *

* Actual concentration ranges are withheld as a trade secret.

Additional information:

Note: This product contains titanium dioxide in a non-respirable form. No significant exposure to airborne particles is expected during normal handling.

4 First-aid measures

Description of first aid measures

General information: No special measures required.

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

After skin contact: Immediately rinse with water.

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After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing: Rinse opened eye for several minutes under running water.

Rinse mouth.

Do NOT induce vomiting.

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:

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

Protective equipment:

No special measures required.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep away from ignition sources

Ensure adequate ventilation

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.

Methods and material for

containment and cleaning up:

Warm water and cleansing agent

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

7 Handling and storage

Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.
 Open and handle receptacle with care.
 Prevent formation of aerosols.

Information about protection against explosions and fires: Keep respiratory protective device available.

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:

Keep receptacle tightly sealed.
 Store in cool, dry conditions in well sealed receptacles.

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:

Keep away from foodstuffs, beverages and feed.
 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.
 Avoid contact with the eyes and skin.
 Store protective clothing separately.
 Do not inhale gases / fumes / aerosols.

Breathing equipment: Not necessary if room is well-ventilated.

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Protection of hands:	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Half mask with round thread connection EN 148-1 (screw-on filter) and combination filter A1 - P2 according to German DIN EN 14387.
Material of gloves	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
Penetration time of glove material	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.
For the permanent contact gloves made of the following materials are suitable:	The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Nitrile rubber, NBR Recommended thickness of the material: ≥ 0.4 mm
Eye protection:	Tightly sealed goggles
Body protection:	Protective work clothing

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Color:	Whitish
Odor:	Mild
Odor threshold:	Not determined.
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	170–260 °C (CAS: 64742-48-9 aliphatic hydrocarbons, C10-C13 n-alkanes, i-alkanes, cyclics, aromatics < 2 %)
Flammability:	Not applicable.
Explosion limits:	
Lower:	0.7 Vol % (CAS: 64742-48-9 aliphatic hydrocarbons, C10-C13 n-alkanes, i-alkanes, cyclics, aromatics < 2 %)
Upper:	6 Vol % (CAS: 64742-48-9 aliphatic hydrocarbons, C10-C13 n-alkanes, i-alkanes, cyclics, aromatics < 2 %)

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Flash point:	>61 °C (DIN EN ISO 2719, CAS: 64742-48-9 aliphatic hydrocarbons, C10-C13 n-alkanes, i-alkanes, cyclics, aromatics < 2 %)
Decomposition temperature:	Not determined.
pH-value:	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 at 25 °C:	0.6 hPa (CAS: 64742-48-9 aliphatic hydrocarbons, C10-C13 n-alkanes, i-alkanes, cyclics, aromatics < 2 %)
Vapor pressure:	
Density at 20 °C:	0.98 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:** Not determined.**Solvent content:**

VOC content: < 350 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.

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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).
 Self igniting.
Conditions to avoid

No further relevant information available.

Incompatible materials:

No further relevant information available.

Hazardous decomposition products:

No dangerous decomposition products known.

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

CAS: 13463-67-7 titanium dioxide - aerodynamic diameter >10 µm

Oral	LD50	>20,000 mg/kg (rat)
Dermal	LD50	>10,000 mg/kg (rabbit)

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)**

CAS: 13463-67-7 titanium dioxide - aerodynamic diameter >10 µm

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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-assesment): 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.

14 Transport information

UN-Number
DOT/TDG, ADR, IMDG, IATA Not applicable

UN proper shipping name
DOT/TDG, ADR, IMDG, IATA Not applicable

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Transport hazard class(es)	
DOT/TDG, ADR, ADN, IMDG, IATA Class	Not applicable
Packing group	
DOT/TDG, ADR, IMDG, IATA	Not applicable
Environmental hazards:	Not applicable.
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

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 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.

Per- and polyfluoroalkyl substances (PFAS)

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

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

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: 1.2

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

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