

Safety Data Sheet

according to HPR, Schedule 1

Date of issue 11/14/2025

Version number 5.0

Revision: 11/14/2025

1 Identification

Product identifier
Trade name: Polyx-Oil High Solid

Other means of identification
Article number: 3031 clear matt, 3043 clear satin, 3040 white, 3044 raw, 3067 light grey, 3071 honey, 3072 amber, 3073 terra, 3074 graphite, 3075 black

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

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.

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 %	30–60% 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: Seek medical treatment in case of complaints.

Call a doctor immediately.

Supply fresh air; consult doctor in case of complaints.

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

After skin contact: Generally the product does not irritate the skin.

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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

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**

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.

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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: 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.

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.
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: 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

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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:**

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

Do not carry product impregnated cleaning cloths in trouser pockets.

Breathing equipment:

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

Protection of hands:

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

**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).

Eye protection:

Goggles recommended during refilling.

Body protection:

Protective work clothing

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9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Physical state	Liquid
Color:	According to product specification
Odor:	Mild
Odor threshold:	Not determined.
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
Flammability:	Not applicable.
Explosion limits:	
Lower:	0.6 Vol %
Upper:	7.0 Vol %
Flash point:	> 60 °C (DIN 52231)
Auto igniting:	240 °C
Decomposition temperature:	Not determined.
pH-value:	Mixture is non-polar/aprotic.

Viscosity:

Dynamic at 40 °C: >20.2–20.8 mPas

Solubility in / Miscibility with Water:

Not miscible or difficult to mix.

Partition coefficient (n-octanol/water): Not determined.

Vapor pressure at 20 °C: 1 hPa

Vapor pressure:

Density at 20 °C: 0.96–0.99 g/cm³ (DIN 51757)

Relative density Not determined.

Particle characteristics Not applicable.

Other information

Complies with Environment Canada VOC regulations (SOR/2009-264)

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.

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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.

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).

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 (NO_x)

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

Oral	LD50	>5,000 mg/kg (rat)
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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.

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.**Other adverse effects****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.

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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:

Osmo Brush Cleaner and Thinner

14 Transport information

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

15 Regulatory information

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

No further relevant information available.

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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 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

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 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.

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Department issuing SDS: product safety department**Contact:** Hr. Dr. Starp**Version number of previous****version:** 4.0**Date of preparation** 11/14/2025

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 ESIS : European chemical Substances Information System
ECHA Portal
Safety data sheets from raw material suppliers

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