

Safety Data Sheet

according to HPR, Schedule 1

Date of issue 11/14/2025

Version number 3.0

Revision: 11/13/2025

1 Identification

Product identifier**Trade name:** Spray-Polyx®**Other means of identification****Article number:** 3078 clear satin, 3082 clear gloss**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 3 H226 Flammable liquid and vapour.

Label elements**Hazard pictograms**

GHS02

Signal word

Warning

Hazard statements

H226 Flammable liquid and vapour.

Precautionary statements

Keep out of reach of children.

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

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P210 Keep away from heat. No smoking.
 P233 Keep container tightly closed.
 P243 Take action to prevent static discharges.
 P262 Do not get in eyes, on skin, or on clothing.
 P271 Use only outdoors or in a well-ventilated area.
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P370+P378 In case of fire: Use CO₂, powder or water spray to extinguish.
 P403+P235 Store in a well-ventilated place. Keep cool.
 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 = 3
 Reactivity = 0





HMIS-ratings (scale 0 - 4) Health = *0
 Fire = 3
 Reactivity = 0

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	15–40% w/w *
CAS: 64742-49-0	aliphatic hydrocarbons, C9-C10  Flammable liquids – Category 3, H226;  Aspiration hazard – Category 1, H304;  Specific target organ toxicity (single exposure) – Category 3, H336	7–13% w/w *
CAS: 34590-94-8	Dipropylene glycol monomethyl ether Flammable liquids – Category 4, H227	0.5–1.5% w/w *

* Actual concentration ranges are withheld as a trade secret.

4 First-aid measures

Description of first aid measures

General information: Immediately remove any clothing soiled by the product.

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After inhalation:	Supply fresh air; consult doctor in case of complaints.
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.
After swallowing:	If symptoms persist consult doctor.
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	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	Not required.
Environmental precautions:	Dilute with plenty of water. 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). 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.

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7 Handling and storage

Precautions for safe handling Keep away from heat and direct sunlight.
 Keep receptacles tightly sealed.
 Use only in well ventilated areas.
 Prevent formation of aerosols.

Information about protection

against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by

storerooms and receptacles: Store in a cool location.
 Store only in the original receptacle.

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: Keep receptacle tightly sealed.
 Store in cool, dry conditions in well sealed receptacles.
 Protect from frost.

Storage class: 3

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:

CAS: 34590-94-8 Dipropylene glycol monomethyl ether

EL	Short-term value: 150 ppm Long-term value: 100 ppm Skin
EV	Short-term value: 910 mg/m ³ , 150 ppm Long-term value: 605 mg/m ³ , 100 ppm

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 inhale gases / fumes / aerosols.

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

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Protection of hands:

Not necessary if room is well-ventilated.

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.

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

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 in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are

suitable:

Nitrile rubber, NBR

Eye protection:

Goggles recommended during refilling.

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:	144 °C
Flammability:	Not applicable.
Explosion limits:	
Lower:	0.7 Vol %
Upper:	6.0 Vol %
Flash point:	> 30 °C (DIN EN ISO 2719)
Auto igniting:	> 200 °C
Decomposition temperature:	Not determined.
pH-value:	Not determined.

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Viscosity:	
Dynamic:	Not determined.
Solubility in / Miscibility with Water:	Fully miscible.
Partition coefficient (n-octanol/water):	Not determined.
Vapor pressure at 20 °C:	10 hPa
Vapor pressure:	
Density at 20 °C:	0.940-0.950 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 is not explosive. However, formation of explosive air/vapor mixtures are possible.

Solvent content:**VOC content:**

< 400 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 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.

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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) (OECD 401)
Dermal	LD50	>5,000 mg/kg (rat) (OECD 402)
Inhalative	LC50 / 4h	21 mg/l (rat) (OECD 403)

CAS: 64742-49-0 aliphatic hydrocarbons, C9-C10

Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50 / 4h	>20 mg/l (rat)

CAS: 34590-94-8 Dipropylene glycol monomethyl ether

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
		13,000-14,000 mg/kg (rabbit)
Inhalative	LC50 / 4h	1,667 mg/l (rat)
	LC50 / 72h	0.76 mg/l (selenastrum capricornutum)

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:

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:**

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.

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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) (OECD 202)

EC50/ 72h >1,000 mg/l (algae) (OECD 201)

LC50 / 96h >1,000 mg/l (fish) (OECD 203)

biodegradability % (leicht abbaubar)

CAS: 64742-49-0 aliphatic hydrocarbons, C9-C10

EC50 / 24h <130 mg/kg (Oncorhynchus mykiss (Regenbogenforelle))

>100 mg/kg (selenastrum capricornutum)

CAS: 34590-94-8 Dipropylene glycol monomethyl ether

EC50 / 48h (static) 1,919 mg/l (Daphnia magna)

LC50 / 96h 5.3 mg/l (Oncorhynchus mykiss (Regenbogenforelle))

LC50 / 48h 10.2 mg/l (Oncorhynchus mykiss (Regenbogenforelle))

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.

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Uncleaned packagings:**Recommendation:**

Disposal must be made according to official regulations.

Recommended cleansing**agent:**

Solvent naphtha

14 Transport information

UN-Number**DOT/TDG, ADR, IMDG, IATA**

UN1263

UN proper shipping name**DOT/TDG**

Paint

ADR

1263 Paint

IMDG, IATA

PAINT

Transport hazard class(es)**DOT/TDG, IMDG, IATA****Class**

3 Flammable liquids

Label

3

ADR**Class**

3 (F1) Flammable liquids

Label

3

Packing group**DOT/TDG, ADR, IMDG, IATA**

III

Environmental hazards:**Marine pollutant:**

No

Transport in bulk according to Annex II of**MARPOL73/78 and the IBC Code**

Not applicable.

Transport/Additional information:**DOT/TDG****Quantity limitations**

On passenger aircraft/rail: 60 L

On cargo aircraft only: 220 L

ADR**Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

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IMDG**Limited quantities (LQ)**

5L

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

Special precautions for user

Warning: Flammable liquids

Hazard identification number (Kemler code): 30**EMS Number:**

F-E, S-E

Stowage Category

A

UN "Model Regulation":

UN 1263 PAINT, 3, III

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%)

CAS: 7631-86-9 silicon dioxide, chemically prepared

CAS: 34590-94-8 Dipropylene glycol monomethyl ether

GHS label elements

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

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Trade name: Spray-Polyx®
Hazard pictograms

GHS02

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Signal word

Warning

Hazard statements

H226 Flammable liquid and vapour.

Precautionary statements

P210 Keep away from heat. No smoking.

P233 Keep container tightly closed.

P243 Take action to prevent static discharges.

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

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

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

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

P403+P235 Store in a well-ventilated place. Keep cool.

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

H226 Flammable liquid and vapour.

H227 Combustible liquid.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

Department issuing SDS:

product safety department

Contact:

Hr. Dr. Starp

Version number of previous version:

2.5

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

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