

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 12/04/2017

Reviewed on 12/04/2017

### 1 Identification

#### 1.1 Product identifier

Trade name:

**Spray-Polyx**

Article number:

3078 clear matte, 3082 clear satin gloss

Application of the substance / the mixture

Paint

#### 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Supplier:

Osmo Wood and Colour Canada Ltd.

5515 – 92 ST NW

Edmonton, Alberta T6E 3A4

Canada

Tel: 001 (877) 746 6583

E-mail: info@osmo.ca

Manufacturer

Osmo Holz und Color GmbH &amp; Co. KG

Affhüppen Esch 12

D-48231 Warendorf

Germany

Information department:

Product safety department

Phone: +49 (0) 251 / 692 - 188

Fax: +49 (0) 251 / 692 - 462

e-mail: helmut.starp@osmo.de

1.4 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 (WISAG FMO cargo Services GmbH &amp; Co.KG)

### 2 Hazard identification

#### 2.1 Classification of the substance or mixture

Classification according to Hazardous Products Regulations

Flam. Liq. 3 H226 Flammable liquid and vapour.

#### 2.2 Label elements

Labelling according to Hazardous

Products Regulations

Hazard pictograms

The product is classified and labeled according to the CLP regulation.



GHS02

Signal word

Warning

Hazard statements

H226 Flammable liquid and vapour.

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**Precautionary statements**

P210 Keep away from heat. - No smoking.  
 P233 Keep container tightly closed.  
 P243 Take actions 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 for extinction: CO<sub>2</sub>, powder or water spray.  
 P403+P235 Store in a well-ventilated place. Keep cool.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Additional information:** Observe the general safety regulations when handling chemicals.  
 Always wear a dust mask when sanding.

**Hazard description:****WHMIS-symbols:** B2 - Flammable liquid**Classification system:**

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

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

**2.3 Other hazards** Materials such as rags used with this product may begin to burn by themselves. After use, put rags in water or lay flat to dry, then discard.

### 3 Composition/Information on ingredients

**3.2 Mixtures****Description:** Mixture of the substances listed below with nonhazardous additions.**Dangerous components:**

64742-48-9	aliphatic hydrocarbons, C10-C13  Asp. Tox. 1, H304; Flam. Liq. 4, H227	15-40%
64742-49-0	aliphatic hydrocarbons, C9-C10  Flam. Liq. 3, H226;  Asp. Tox. 1, H304;  STOT SE 3, H336	7-13%
34590-94-8	(2-methoxymethylethoxy)propanol Flam. Liq. 4, H227	0.5-1.5%

### 4 First aid measures

**4.1 Description of first aid measures****General information:** Immediately remove any clothing soiled by the product.**After inhalation:** Supply fresh air; consult doctor in case of complaints.

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**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.

**4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

**4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

### 5 Firefighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing agents:** CO<sub>2</sub>, 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

**5.2 Special hazards arising from the substance or mixture** No further relevant information available.

**5.3 Advice for firefighters**  
**Protective equipment:** No special measures required.

### 6 Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures** Not required.

**6.2 Environmental precautions:** Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.

**6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).  
Ensure adequate ventilation.

**6.4 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

**7.1 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.

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**Information about protection  
against explosions and fires:**

No special measures required.

**7.2 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

**7.3 Specific end use(s)**

No further relevant information available.

### 8 Exposure controls/ Personal protection

**Additional information about  
design of technical systems:**

No further data; see item 7.

**8.1 Control parameters**
**Components with limit values that require monitoring at the workplace:**
**34590-94-8 (2-methoxymethylethoxy)propanol**

EL	Short-term value: 150 ppm
	Long-term value: 100 ppm
	Skin

EV	Short-term value: 910 mg/m <sup>3</sup> , 150 ppm
	Long-term value: 605 mg/m <sup>3</sup> , 100 ppm

**Additional information:**

The lists that were valid during the creation were used as basis.

**8.2 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.

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.

**Protection of hands:**

Protective gloves

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<b>Material of gloves</b>	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.
<b>Penetration time of glove material</b>	The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
<b>For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory gloves made of the following material are suitable:</b>	Nitrile rubber, NBR
<b>Eye protection:</b>	Goggles recommended during refilling.

### 9 Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

##### General Information

##### Appearance:

<b>Form:</b>	Fluid
<b>Color:</b>	Whitish
<b>Odor:</b>	Mild
<b>Odor threshold:</b>	Not determined.

**pH-value:** Not determined.

##### Change in condition

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	144 °C

**Flash point:** > 30 °C (DIN EN ISO 2719)

**Flammability (solid, gaseous):** Not applicable.

**Ignition temperature:** > 200 °C

**Decomposition temperature:** Not determined.

**Auto igniting:** Product is not selfigniting.

**Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

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<b>Explosion limits:</b>	
<b>Lower:</b>	0.7 Vol %
<b>Upper:</b>	6.0 Vol %
<b>Vapor pressure at 20 °C:</b>	10 hPa
<b>Density at 20 °C:</b>	0,940-0,950 g/cm <sup>3</sup> (DIN 51757)
<b>Relative density</b>	Not determined.
<b>Evaporation rate</b>	Not determined.
<b>Solubility in / Miscibility with Water:</b>	Fully miscible.
<b>Partition coefficient (n-octanol/water):</b>	Not determined.
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic at 20 °C:</b>	49-54 s (ISO 4 mm)
<b>9.2 Other information</b>	No further relevant information available.

**10 Stability and reactivity**

<b>10.1 Reactivity</b>	No further relevant information available.
<b>10.2 Chemical stability</b>	
<b>Thermal decomposition / conditions to be avoided:</b>	No decomposition if used according to specifications.
<b>10.3 Possibility of hazardous reactions</b>	No dangerous reactions known.
<b>10.4 Conditions to avoid</b>	No further relevant information available.
<b>10.5 Incompatible materials:</b>	No further relevant information available.
<b>10.6 Hazardous decomposition products:</b>	No dangerous decomposition products known.
<b>Additional information:</b>	Warning: Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of self-ignition)

**11 Toxicological information****11.1 Information on toxicological effects**

**Acute toxicity:** Based on available data, the classification criteria are not met.

**LD/LC50 values that are relevant for classification:****64742-48-9 aliphatic hydrocarbons, C10-C13**

Oral	LD50	>5,000 mg/kg (rat) (OECD 401)
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Dermal	LD50	>5,000 mg/kg (rat) (OECD 402)
Inhalative	LC50 / 4h	21 mg/l (rat) (OECD 403)
<b>64742-49-0 aliphatic hydrocarbons, C9-C10</b>		
Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50 / 4h	>20 mg/l (rat)
<b>34590-94-8 (2-methoxymethylethoxy)propanol</b>		
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:**

Based on available data, the classification criteria are not met.

**Sensitization:**

Based on available data, the classification criteria are not met.

**Additional toxicological information:****Carcinogenic categories**

<b>IARC (International Agency for Research on Cancer)</b>		
7631-86-9	silicon dioxide, chemically prepared	3
14808-60-7	Quartz (SiO <sub>2</sub> )	1
<b>NTP (National Toxicology Program)</b>		
14808-60-7	Quartz (SiO <sub>2</sub> )	K

**12 Ecological information****12.1 Toxicity****Aquatic toxicity:**

<b>64742-48-9 aliphatic hydrocarbons, C10-C13</b>	
EC50 / 48h	>1,000 mg/l (daphnia) (OECD 202)
EC50/ 72h	>1,000 mg/l (algae) (OECD 201)
LC50 / 96h	>1,000 mg/l (fish) (OECD 203)
Biolog. Abbaubarkeit	% (leicht abbaubar)
<b>64742-49-0 aliphatic hydrocarbons, C9-C10</b>	
EC50 / 24h	<130 mg/kg (Oncorhynchus mykiss (Regenbogenforelle))

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	>100 mg/kg (senastrum capricornutum)
<b>34590-94-8 (2-methoxymethylethoxy)propanol</b>	
EC50 / 48h (static)	1,919 mg/l (daphnia)
LC50 / 96h	5.3 mg/l (Oncorhynchus mykiss (Regenbogenforelle))
LC50 / 48h	10.2 mg/l (Oncorhynchus mykiss (Regenbogenforelle))

**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

**Additional ecological information:**

**General notes:** Water hazard class 1 (Self-assesment): slightly hazardous for water

**12.5 Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects** No further relevant information available.

### 13 Disposal considerations

**13.1 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

**14.1 UN-Number**

**DOT, TDG, IMDG, IATA** UN1263

**14.2 UN proper shipping name**

**DOT** Paint  
**TDG** 1263 Paint  
**IMDG, IATA** PAINT

**14.3 Transport hazard class(es)**

**DOT, IMDG, IATA**

**Class** 3 Flammable liquids

**Label** 3

**TDG (Transport dangerous goods):**

**Class** 3 (F1) Flammable liquids

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<b>Label</b>	3
<b>14.4 Packing group DOT, TDG, IMDG, IATA</b>	III
<b>14.5 Environmental hazards: Marine pollutant:</b>	No
<b>14.6 Special precautions for user Danger code (Kemler): EMS Number:</b>	Warning: Flammable liquids 30 F-E, <u>S</u> -E
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
<b>Transport/Additional information: DOT Quantity limitations</b>	On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L
<b>TDG Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
<b>IMDG Limited quantities (LQ) Excepted quantities (EQ)</b>	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
<b>UN "Model Regulation":</b>	UN1263, Paint, 3, III

**15 Regulatory information**
**15.1 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.

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**Canadian substance listings:****Canadian Domestic Substances List (DSL)**

All ingredients are listed.

**Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

**Canadian Ingredient Disclosure list (limit 1%)**

7631-86-9 | silicon dioxide, chemically prepared

34590-94-8 | (2-methoxymethylethoxy)propanol

**15.2 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

**Date of preparation / last revision** 12/04/2017 / 1**Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods  
 DOT: US Department of Transportation  
 IATA: International Air Transport Association  
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 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)  
 WHMIS: Workplace Hazardous Materials Information System (Canada)  
 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.**