

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 11/15/2017

Reviewed on 08/28/2017

### 1 Identification

#### 1.1 Product identifier

**Trade name:** **Osmo Liquid Wax Cleaner Spray**

**Article number:** 3029

**Application of the substance / the mixture** Maintenance product

#### 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 & 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 & Co.KG)

**Importer** 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

### 2 Hazard identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Hazardous Products Regulations

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.

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#### 2.2 Label elements

##### Labelling according to Hazardous

##### Products Regulations

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

##### Hazard pictograms



GHS02

##### Signal word

Danger

##### Hazard statements

H222-H229 Extremely flammable aerosol.

##### Precautionary statements

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Do not pierce or burn, even after use.
- P260 Do not breathe spray.
- P262 Do not get in eyes, on skin, or on clothing.
- P271 Use only outdoors or in a well-ventilated area.
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

##### Hazard description:

##### WHMIS-symbols:

- A - Compressed gas  
B5 - Flammable aerosol



##### Classification system:

##### NFPA ratings (scale 0 - 4)

Health = 0  
Fire = 0  
Reactivity = 3

##### HMIS-ratings (scale 0 - 4)

Health = 0  
Fire = 0  
Reactivity = 3

##### 2.3 Other hazards

Not applicable.

### 3 Composition/Information on ingredients

#### 3.2 Mixtures

##### Description:

Mixture of the substances listed below with nonhazardous additions.

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<b>Dangerous components:</b>		
64742-48-9	aliphatic hydrocarbons, C10-C13  Asp. Tox. 1, H304; Flam. Liq. 4, H227	40-70%
106-97-8	butane  Flam. Gas 1, H220;  Acute Tox. 3, H331; Press. Gas, H280	10-30%
74-98-6	propane  Flam. Gas 1, H220; Press. Gas, H280	1-5%
75-28-5	isobutane  Flam. Gas 1, H220;  Acute Tox. 3, H331; Press. Gas, H280	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.  
Take affected persons out into the fresh air.

##### After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

##### After skin contact:

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

##### After eye contact:

Immediately wash with water and soap and rinse thoroughly.

##### After swallowing:

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

If swallowed, seek medical advice immediately and show this container or label.

#### 4.2 Most important symptoms and effects, both acute and delayed

Headache

Dizziness

#### 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

Can form explosive gas-air mixtures.

Formation of toxic gases is possible during heating or in case of fire.

#### 5.3 Advice for firefighters

##### Protective equipment:

Mouth respiratory protective device.

##### Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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Cool endangered receptacles with water spray.

### 6 Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation  
 Wear protective equipment. Keep unprotected persons away.  
 Keep away from ignition sources

**6.2 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.

**6.3 Methods and material for containment and cleaning up:**

Warm water and cleansing agent  
 Ensure adequate ventilation.

**6.4 Reference to other sections**

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.  
 Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

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

Do not spray on a naked flame or any incandescent material.  
 Keep ignition sources away - Do not smoke.  
 Protect against electrostatic charges.  
 Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage:**

**Requirements to be met by storerooms and receptacles:**

Store in a cool location.  
 Observe official regulations on storing packagings with pressurized containers.

**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:**

Store only outside or in explosion proof rooms.  
 Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.  
 Keep receptacle tightly sealed.  
 Store in cool, dry conditions in well sealed receptacles.  
 Protect from heat and direct sunlight.

**Storage class:**

2 B

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**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:

##### 106-97-8 butane

EL	Short-term value: 750 ppm
	Long-term value: 600 ppm
EV	Long-term value: 800 ppm

##### 74-98-6 propane

EL	Long-term value: 1000 ppm
EV	Long-term value: 1,000 ppm

##### 75-28-5 isobutane

EV	Long-term value: 800 ppm
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**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.  
 Immediately remove all soiled and contaminated clothing.  
 Keep away from foodstuffs, beverages and feed.  
 Avoid contact with the eyes and skin.  
 Do not eat, drink, smoke or sniff while working.

##### Breathing equipment:

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.  
 Use suitable respiratory protective device in case of insufficient ventilation.

Filter P3

##### Protection of hands:

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

Nitrile rubber, NBR

**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

For the mixture of chemicals mentioned below 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

### 9.1 Information on basic physical and chemical properties

#### General Information

##### Appearance:

*Form:* Aerosol

*Color:* Colorless

*Odor:* Characteristic

##### Change in condition

*Melting point/Melting range:* Undetermined.

*Boiling point/Boiling range:* Not applicable, as aerosol.

*Flash point:* Not applicable, as aerosol.

*Auto igniting:* Product is not selfigniting.

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

##### Explosion limits:

*Lower:* 0,8 Vol %

*Upper:* 8,5 Vol %

*Vapor pressure at 20 °C:* 10 hPa

*Density:* Not determined.

##### Solubility in / Miscibility with

*Water:* Not miscible or difficult to mix.

##### Viscosity:

*Dynamic:* Not determined.

*Kinematic:* Not determined.

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**9.2 Other information** No further relevant information available.

### 10 Stability and reactivity

**10.1 Reactivity** No further relevant information available.

**10.2 Chemical stability**
**Thermal decomposition / conditions to be avoided:**

 Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.  
 Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

**10.3 Possibility of hazardous reactions**

Forms explosive gas mixture with air.

**10.4 Conditions to avoid**

No further relevant information available.

**10.5 Incompatible materials:**

No further relevant information available.

**10.6 Hazardous decomposition products:**

 Carbon monoxide and carbon dioxide  
 Nitrogen oxides (NO<sub>x</sub>)

### 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	> 5000 mg/kg (rat) (OECD 401)
Dermal	LD50	> 5000 mg/kg (rat) (OECD 402)
Inhalative	LC50 / 4h	21 mg/l (rat) (OECD 403)

**106-97-8 butane**

Inhalative	LC50 / 4h	658 mg/l (rat)
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**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**
**IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

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**NTP (National Toxicology Program)**

None of the ingredients is listed.

### 12 Ecological information

#### 12.1 Toxicity

**Aquatic toxicity:**
**64742-48-9 aliphatic hydrocarbons, C10-C13**

Biolog. Abbaubarkeit	(leicht abbaubar)
EC50 / 48h	> 1000 mg/l (daphnia) (OECD 202)
EC50/ 72h	> 1000 mg/l (algae) (OECD 201)
LC50 / 96h	> 1000 mg/l (fish) (OECD 203)

**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-assessment): 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** UN1950

#### 14.2 UN proper shipping name

**DOT** Aerosols, flammable

**TDG** 1950 Aerosols

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<b>IMDG</b>	AEROSOLS
<b>IATA</b>	AEROSOLS, flammable
<b>14.3 Transport hazard class(es)</b>	
<b>DOT, IMDG, IATA</b>	
<b>Class</b>	2.1
<b>Label</b>	2.1
<b>TDG (Transport dangerous goods):</b>	
<b>Class</b>	2 5F Gases
<b>Label</b>	2.1
<b>14.4 Packing group</b>	
<b>DOT, TDG, IMDG, IATA</b>	Void
<b>14.5 Environmental hazards:</b>	
<b>Marine pollutant:</b>	No
<b>14.6 Special precautions for user</b>	
<b>Danger code (Kemler):</b>	-
<b>EMS Number:</b>	F-D,S-U
<b>Stowage Code</b>	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
<b>Segregation Code</b>	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	
	Not applicable.
<b>Transport/Additional information:</b>	
<b>DOT</b>	
<b>Quantity limitations</b>	On passenger aircraft/rail: 75 kg On cargo aircraft only: 150 kg
<b>TDG</b>	
<b>Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
<b>IMDG</b>	
<b>Limited quantities (LQ)</b>	1L

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*Excerpted quantities (EQ)*

Code: E0

Not permitted as Excerpted Quantity

*UN "Model Regulation":*

UN 1950 AEROSOLS, 2.1

### 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.

**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%)**

106-97-8 | butane

**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**

H220 Extremely flammable gas.

H227 Combustible liquid.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H331 Toxic if inhaled.

**Department issuing SDS:**

product safety department

**Contact:**

Hr. Dr. Starp

**Date of preparation / last revision**

11/15/2017 / 11

**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

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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

CA