

## Safety Data Sheet

*in accordance with HSNO*

Printing date 21.09.2023

Version number 15.2 (replaces version 15.1)

Revision: 21.09.2023

### SECTION 1: Identification of the substance or mixture and of the supplier

#### 1.1 Product identifier

**Trade name:** **Teak-Oil Spray Clear**

**Article number:** 008

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

#### Application of the substance / the mixture

Maintenance product  
Paint

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

**Manufacturer/Supplier:** Osmo Holz und Color GmbH & Co. KG  
Affhüppen Esch 12  
D-48231 Warendorf  
Germany

#### Further information obtainable from:

Product safety department  
Tel.: +49 (0) 251 / 692 - 188  
Fax: +49 (0) 251 / 692 - 462  
e-mail: [helmut.starp@osmo.de](mailto:helmut.starp@osmo.de)

#### 1.4 Emergency telephone number:

National Poison Centre: 0800 764 766 (0800 POISON)  
Chemcall 24/7 Emergency Response Service: 0800 243 622 (0800 CHEMCALL)  
Emergency Services (Fire, Ambulance, Police): Dial 111

#### Importer

Osmo NZ Ltd.  
218H Marua Road  
Mt Wellington  
AUCKLAND 1051  
Phone: +64 (0) 9 951 6010  
Email: [info@osmo.co.nz](mailto:info@osmo.co.nz)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to WHS Regulations

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

**Additional information:** HSNO Classes: 2.1.2A (flammable aerosols)

#### 2.2 Label elements

##### Hazard pictograms



GHS02

##### Signal word

Danger

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<b>Hazard statements</b>	H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.
<b>Precautionary statements</b>	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/sparks/open flames/hot surfaces. No smoking. P211 Do not spray on an open flame or other ignition source. P251 Pressurized container: Do not pierce or burn, even after use. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

**2.3 Other hazards** Must not be applied on the same spraying stand as lacquers or lacquer corrosives that contain NC (nitrocellulose). Risk of self-ignition.  
 Warning:  
 Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of self-ignition)  
 Always wear a dust mask when sanding.  
 Observe the general safety regulations when handling chemicals.

#### Results of PBT and vPvB assessment

**PBT:** Not applicable.  
**vPvB:** Not applicable.

### SECTION 3: Composition/Information on ingredients

#### 3.2 Mixtures

**Description:** Mixture of substances listed below with nonhazardous additions.

#### Dangerous components:

CAS: 64742-48-9 EC number: 918-481-9	aliphatic hydrocarbons, C10-C13 ⚠ Asp. Tox. 1, H304; Flam. Liq. 4, H227	25–50%
CAS: 106-97-8 EINECS: 203-448-7	butane, pure ⚠ Flam. Gas 1A, H220; ⚠ Press. Gas C, H280	10–25%
CAS: 74-98-6 EINECS: 200-827-9	propane ⚠ Flam. Gas 1A, H220; ⚠ Press. Gas C, H280	2.5–5%
CAS: 75-28-5 EINECS: 200-857-2	isobutane ⚠ Flam. Gas 1A, H220; ⚠ Press. Gas C, H280	<2.5%

**SVHC** Not applicable.

**Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

**General information:** Take affected persons out into the fresh air.

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- After inhalation:** Supply fresh air; consult doctor in case of complaints.  
In case of unconsciousness place patient stably in side position for transportation.
- After skin contact:** Immediately wash with water and soap and rinse thoroughly.  
If skin irritation or rash occurs: Get medical advice/attention.
- After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing:** If swallowed, seek medical advice immediately and show this container or label.  
Do NOT induce vomiting.

#### 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

If swallowed or in case of vomiting, danger of entering the lungs.

### SECTION 5: Fire fighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing

**agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

##### For safety reasons unsuitable extinguishing agents:

None known.

#### 5.2 Special hazards arising from the substance or mixture

No further relevant information available.

#### 5.3 Advice for firefighters

##### Protective equipment:

Do not inhale explosion gases or combustion gases.  
General measures for chemical fires.

##### Additional information

Cool endangered receptacles with water spray.

### SECTION 6: Accidental release measures

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

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

##### For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training.

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<b>For emergency responders</b>	Wear protective equipment. Keep unprotected persons away.
<b>6.2 Environmental precautions:</b>	Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.
<b>6.3 Methods and material for containment and cleaning up:</b>	Dispose contaminated material as waste according to section 13. Ensure adequate ventilation. Warm water and cleansing agent
<b>6.4 Reference to other sections</b>	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Use only in well ventilated areas.  
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.

#### 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 fire - and explosion protection:

Do not spray onto a naked flame or any incandescent material.  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Keep respiratory protective device available.  
Pressurised 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.  
Keep away from heat/sparks/open flames/hot surfaces. 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.

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

##### Storage:

##### Requirements to be met by

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

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Observe official regulations on storing packagings with pressurised containers.

**Information about storage in one common storage facility:**

Not required.

**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 container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Protect from frost.

Do not seal receptacle gas tight.

Protect from heat and direct sunlight.

**Storage class:**

TRGS 510 Storage class 3: Flammable liquids

2 B

**7.3 Specific end use(s)**

No further relevant information available.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

**Ingredients with limit values that require monitoring at the workplace:**

**106-97-8 butane, pure**

WES | Long-term value: 1900 mg/m<sup>3</sup>, 800 ppm

**74-98-6 propane**

WES | Simple asphyxiant; may present an explosion hazard

**Additional information:** The lists valid during the making were used as basis.

#### 8.2 Exposure controls

**Appropriate engineering controls**

No further data; see section 7.

**Individual protection measures, such as 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.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Avoid contact with the eyes and skin.

Store protective clothing separately.

Do not inhale gases / fumes / aerosols.

**Respiratory protection:**

Not necessary if room is well-ventilated.

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

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.

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**Hand protection**

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

**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 through 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:  $\geq 0.4$  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).

**As protection from splashes gloves made of the following materials are suitable:**

Nitrile rubber, NBR

**Eye/face protection**

Tightly sealed goggles

**Body protection:**

Protective work clothing

### SECTION 9: Physical and chemical properties

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

**General Information****Physical state**

Aerosol

**Colour:**

Clear

**Odour:**

Characteristic

**Odour threshold:**

Not determined.

**Melting point/freezing point:**

Undetermined.

**Boiling point or initial boiling point and boiling range**

Not applicable, as aerosol.

**Flammability**

Not applicable.

**Lower and upper explosion limit****Lower:**

0.6 Vol %

**Upper:**

8.5 Vol %

**Flash point:**

Not applicable, as aerosol.

**Auto-ignition temperature:**

240 °C (464 °F)

**Decomposition temperature:**

Not determined.

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<b>pH</b>	Mixture is non-polar/aprotic.
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not determined.
<b>Dynamic:</b>	Not determined.
<b>Solubility water:</b>	Fully miscible.
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure at 20 °C (68 °F):</b>	2.1 hPa (1.6 mm Hg)
<b>Density and/or relative density</b>	
<b>Density:</b>	Not determined.
<b>Relative density</b>	Not determined.

**9.2 Other information****Appearance:****Form:** Aerosol**Important information on protection of health and environment, and on safety.****Ignition temperature:** Product is not selfigniting.**Explosive properties:** Not determined.**Change in condition****Evaporation rate** Not applicable.**Information with regard to physical hazard classes**

<b>Explosives</b>	Void
<b>Flammable gases</b>	Void
<b>Aerosols</b>	Extremely flammable aerosol. Pressurized container: may burst if heated.
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void
<b>Flammable liquids</b>	Void
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void
<b>Pyrophoric liquids</b>	Void
<b>Pyrophoric solids</b>	Void
<b>Self-heating substances and mixtures</b>	Void
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
<b>Oxidising liquids</b>	Void
<b>Oxidising solids</b>	Void
<b>Organic peroxides</b>	Void
<b>Corrosive to metals</b>	Void

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Desensitised explosives

Void

### SECTION 10: Stability and reactivity

- 10.1 Reactivity** No further relevant information available.
- 10.2 Chemical stability**
- Thermal decomposition / conditions to be avoided:** Pressurised 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.  
No decomposition if used and stored according to specifications.
- 10.3 Possibility of hazardous reactions** Forms explosive gas mixture with air.  
Reacts with fabric soaked in the product (e.g. cleaning wool).
- 10.4 Conditions to avoid** Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- 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>)
- Additional information:** Must not be applied on the same spraying stand as lacquers or lacquer corrosives that contain NC (nitrocellulose). Risk of self-ignition.

### SECTION 11: Toxicological information

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

#### LD/LC50 values relevant for classification:

#### 64742-48-9 aliphatic hydrocarbons, C10-C13

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

- Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- Carcinogenicity** Based on available data, the classification criteria are not met.
- Reproductive toxicity** Based on available data, the classification criteria are not met.
- STOT-single exposure** Based on available data, the classification criteria are not met.
- STOT-repeated exposure** Based on available data, the classification criteria are not met.

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

**Subacute to chronic toxicity:** Based on available data, the classification criteria are not met.

**11.2 Information on other hazards**
**Endocrine disrupting properties**

None of the ingredients is listed.

### SECTION 12: Ecological information

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

EC50 / 48h &gt;1,000 mg/l (Daphnia magna)

IC50 / 72h &gt;1,000 mg/l (algae)

LC50 / 96h &gt;1,000 mg/l (fish)

**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.

**12.5 Results of PBT and vPvB assessment**
**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Endocrine disrupting**
**properties**

The product does not contain substances with endocrine disrupting properties.

**12.7 Other adverse effects**
**Additional ecological information:**
**General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Danger to drinking water if even small quantities leak into the ground.

### SECTION 13: Disposal considerations

**13.1 Waste treatment methods**
**Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Disposal must be made according to official regulations.

**Uncleaned packaging:**
**Recommendation:**

Disposal must be made according to official regulations.

**Recommended cleansing**
**agents:**

Water, if necessary together with cleansing agents.

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 Solvent naphtha  
 Osmo Brush Cleaner and Thinner

### SECTION 14: Transport information

**14.1 UN number or ID number**  
**NZS, IMDG, IATA**

UN1950

**14.2 UN proper shipping name**
**NZS**

1950 AEROSOLS

**IMDG**

AEROSOLS

**IATA**

AEROSOLS, flammable

**14.3 Transport hazard class(es)**
**NZS****Class**

2 5F Gases.

**Label**

2.1

**IMDG, IATA**
**Class**

2.1 Gases.

**Label**

2.1

**14.4 Packing group**
**NZS, IMDG, IATA**

Not applicable

**14.5 Environmental hazards:**
**Marine pollutant:**

No

**14.6 Special precautions for user**

Warning: Gases.

**Hazard identification number (Kemler code):**

-

**EMS Number:**

F-D,S-U

**Stowage Code**

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.

**Segregation Code**

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:

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	Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
<b>Transport/Additional information:</b>	
<b>NZS</b>	
<b>Limited quantities (LQ)</b>	1L
<b>Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
<b>Transport category</b>	2
<b>Tunnel restriction code</b>	D
<b>IMDG</b>	
<b>Limited quantities (LQ)</b>	1L
<b>Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
<b>UN "Model Regulation":</b>	UN 1950 AEROSOLS, 2.1

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****New Zealand Inventory of Chemicals**

64742-48-9	aliphatic hydrocarbons, C10-C13
106-97-8	butane, pure
74-98-6	propane
75-28-5	isobutane

**HSNO Approval numbers**

106-97-8	butane, pure	HSR000989
74-98-6	propane	HSR001010
75-28-5	isobutane	HSR001003

**Directive 2012/18/EU****Named dangerous****substances - ANNEX I**

None of the ingredients is listed.

**Seveso category**

P3a FLAMMABLE AEROSOLS

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**Qualifying quantity (tonnes)  
for the application of lower-  
tier requirements** 150 t

**Qualifying quantity (tonnes)  
for the application of upper-  
tier requirements** 500 t

**15.2 Chemical safety  
assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 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.

**Department issuing SDS:** product safety department

**Contact:** Hr. Dr. Starp

**Abbreviations and acronyms:** ADR: Accord relatif au transport international des marchandises dangereuses par route  
(European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
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)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
SVHC: Substances of Very High Concern  
vPvB: very Persistent and very Bioaccumulative  
Flam. Gas 1A: Flammable gases – Category 1A  
Aerosol 1: Aerosols – Category 1  
Press. Gas C: Gases under pressure – Compressed gas  
Flam. Liq. 4: Flammable liquids – Category 4  
Asp. Tox. 1: Aspiration hazard – Category 1

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

**\* Data compared to the  
previous version altered.** Additions, Deletions, Revisions  
Updated according to regulation (EU) 2020/878 amending regulation (EC) No:  
1907/2006 (REACH)