Safety Data Sheet

in accordance with HSNO

Printing date 21.09.2023 Version number 15.4 (replaces version 15.3) Revision: 21.09.2023

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

1.1 Product identifier

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

Article number: 3029 Spray Clear

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

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

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

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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

Hazard-determining components of labelling: aliphatic hydrocarbons, C10-C13

(Contd. on page 2)

Safety Data Sheet
in accordance with HSNO

Printing date 21.09.2023 Version number 15.4 (replaces version 15.3) Revision: 21.09.2023

Trade name: Osmo Liquid Wax Cleaner Spray

(Contd. of page 1)

Hazard statements H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.

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/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.
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.

2.3 Other hazards 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	50-75%
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	3-<10%
CAS: 75-28-5 EINECS: 200-857-2	isobutane Flam. Gas 1A, H220; Press. Gas C, H280	1-≤2.5%

SVHC Not applicable.

Regulation (EC) No 648/2004 on detergents / Labelling for contents	
aliphatic hydrocarbons	≥30%

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

(Contd. on page 3)

Safety Data Sheet
in accordance with HSNO

Printing date 21.09.2023 Version number 15.4 (replaces version 15.3) Revision: 21.09.2023

Trade name: Osmo Liquid Wax Cleaner Spray

(Contd. of page 2)

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: Take affected persons out into the fresh air.
Immediately remove any clothing soiled by the product.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Immediately rinse with water.

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 No further relevant information available.

SECTION 5: Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing agents: CO2, sand, extinguishing powder. Do not use water.
Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters

Protective equipment: No special measures required.

Additional information Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation
Wear protective equipment. Keep unprotected persons away.

(Contd. on page 4)

Safety Data Sheet
in accordance with HSNO

Printing date 21.09.2023 Version number 15.4 (replaces version 15.3) Revision: 21.09.2023

Trade name: Osmo Liquid Wax Cleaner Spray

(Contd. of page 3)

Wear protective clothing.
Keep away from ignition sources.

6.2 Environmental precautions:
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up:
Warm water and cleansing agent
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents

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.

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:
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Store protective clothing separately.
Do not inhale gases / fumes / aerosols.

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.
Keep away from heat/sparks/open flames/hot surfaces. No smoking.

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.
Observe official regulations on storing packagings with pressurised containers.

Information about storage in one common storage facility:
Not required.

(Contd. on page 5)

Safety Data Sheet
in accordance with HSNO

Printing date 21.09.2023 Version number 15.4 (replaces version 15.3) Revision: 21.09.2023

Trade name: Osmo Liquid Wax Cleaner Spray

(Contd. of page 4)

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.
Do not seal receptacle gas tight.
Protect from heat and direct sunlight.

Storage class: 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/m³, 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.
Avoid contact with the eyes and skin.
Immediately remove all soiled and contaminated clothing
Store protective clothing separately.
Do not inhale gases / fumes / aerosols.

Respiratory protection: Use suitable respiratory protective device only when aerosol or mist is formed.
Use a properly fitted, air-purifying or air-fed repirator 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.
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Not necessary if room is well-ventilated.

(Contd. on page 6)

Safety Data Sheet
in accordance with HSNO

Printing date 21.09.2023 Version number 15.4 (replaces version 15.3) Revision: 21.09.2023

Trade name: Osmo Liquid Wax Cleaner Spray

(Contd. of page 5)

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 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).
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:	Colourless
Odour:	Characteristic
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range	Not applicable, as aerosol.
Lower and upper explosion limit	
Lower:	0.8 Vol %
Upper:	8.5 Vol %
Flash point:	Not applicable, as aerosol.
pH	Not applicable.
Viscosity:	
Kinematic viscosity	Not determined.
Dynamic:	Not determined.

(Contd. on page 7)

Safety Data Sheet
in accordance with HSNO

Printing date 21.09.2023 Version number 15.4 (replaces version 15.3) Revision: 21.09.2023

Trade name: Osmo Liquid Wax Cleaner Spray

(Contd. of page 6)

Solubility	
water:	Not miscible or difficult to mix.
Vapour pressure at 20 °C (68 °F):	10 hPa (7.5 mm Hg)
Density and/or relative density	
Density:	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:	In use, may form flammable/explosive vapour-air mixture.

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

(Contd. on page 8)

Safety Data Sheet
in accordance with HSNO

Printing date 21.09.2023 Version number 15.4 (replaces version 15.3) Revision: 21.09.2023

Trade name: Osmo Liquid Wax Cleaner Spray

(Contd. of page 7)

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 (NOx)

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 At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.
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.
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.

(Contd. on page 9)

Safety Data Sheet
in accordance with HSNO

Printing date 21.09.2023 Version number 15.4 (replaces version 15.3) Revision: 21.09.2023

Trade name: Osmo Liquid Wax Cleaner Spray

(Contd. of page 8)

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:	
64742-48-9 aliphatic hydrocarbons, C10-C13	
EC50 / 48h	>1,000 mg/l (Daphnia magna)
IC50 / 72h	>1,000 mg/l (algae)
LC50 / 96h	>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 1 (German Regulation) (Self-assessment): slightly hazardous for water

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.

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

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

(Contd. on page 10)

Safety Data Sheet
in accordance with HSNO

Printing date 21.09.2023 Version number 15.4 (replaces version 15.3) Revision: 21.09.2023

Trade name: Osmo Liquid Wax Cleaner Spray

(Contd. of page 9)

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: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

14.7 Maritime transport in bulk according to IMO instruments Not applicable.

Transport/Additional information:

NZS

Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity

(Contd. on page 11)

Safety Data Sheet
in accordance with HSNO

Printing date 21.09.2023 Version number 15.4 (replaces version 15.3) Revision: 21.09.2023

Trade name: Osmo Liquid Wax Cleaner Spray

(Contd. of page 10)

Transport category	2
Tunnel restriction code	D
IMDG	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
UN "Model Regulation":	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

All ingredients are listed.

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
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

(Contd. on page 12)

Safety Data Sheet
in accordance with HSNO

Printing date 21.09.2023 Version number 15.4 (replaces version 15.3) Revision: 21.09.2023

Trade name: Osmo Liquid Wax Cleaner Spray

(Contd. of page 11)

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

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