

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

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

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

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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.

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6.2 Environmental precautions:

Wear protective clothing.
Keep away from ignition sources.

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.

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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/m ³ , 800 ppm
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74-98-6 propane

WES	Simple asphyxiant; may present an explosion hazard
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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 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.
 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.

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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: ≥ 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.

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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.

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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.

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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

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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.
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.

Segregation Code

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

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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

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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)