

Material Safety Data Sheets
 according to 1907/2006/EC, Article 31

Printing date 10.03.2016

Version number 12

Revision: 10.03.2016

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

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

Article number: 3029 Spray

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

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

Further information obtainable from:

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: emergency phone no. Berlin (24h): +49 (0) 30 / 30686 790 advisory service in German and English

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

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

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

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

Hazard pictograms



GHS02

Signal word

Danger

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, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P251 Do not pierce or burn, even after use.
 P260 Do not breathe spray.
 P271 Use only outdoors or in a well-ventilated area.

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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.

Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards**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: 64742-49-0 EC number: 927-241-2 Index number: 649-328-00-1 Reg.nr.: 01-2119471843-32	aliphatic hydrocarbons, C9-C10 Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336; Aquatic Chronic 3, H412	50-75%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0	butane Flam. Gas 1, H220; Press. Gas C, H280	10-25%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5	propane Flam. Gas 1, H220; Press. Gas C, H280	2.5-10%
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-01-8	isobutane Flam. Gas 1, H220; Press. Gas C, H280	≤ 2.5%

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.

SECTION 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.

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

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

After eye contact:

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

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

4.2 Most important symptoms and effects, both acute and delayed Headache
 Disziness

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

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: CO₂, 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.
 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.
 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.

SECTION 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.

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Information about fire - and explosion protection:

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

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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.

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 pressurised containers.

Information about storage in one common storage facility:

Do not store together with alkalis (caustic solutions).

Do not store together with oxidising 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 container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

7.3 Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities:

No further data; see item 7.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

64742-49-0 aliphatic hydrocarbons, C9-C10

TWA (8 H)	Short-term value: 1000 mg/m ³ Source UK SIA
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106-97-8 butane

WEL	Short-term value: 1810 mg/m ³ , 750 ppm Long-term value: 1450 mg/m ³ , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)
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74-98-6 propane

AGW	Long-term value: 1800 mg/m ³ , 1000 ppm 4(II);DFG
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75-28-5 isobutane

OEL	Short-term value: 3800 mg/m ³ , 750 ppm Long-term value: 1900 mg/m ³ , 600 ppm EH 40/97
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Additional information: The lists valid during the making 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.

Respiratory protection:

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 self-contained respiratory protective device.
 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 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
 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

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Aerosol
Colour:	Colourless
Odour:	Characteristic

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Not applicable, as aerosol.

Flash point:	Not applicable, as aerosol.
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Self-igniting:	Product is not selfigniting.
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Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
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Explosion limits:

Lower:	0.8 Vol %
Upper:	8.5 Vol %

Vapour pressure at 20 °C:	10 hPa
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Density:	Not determined.
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Solubility in / Miscibility with water:	Not miscible or difficult to mix.
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Viscosity:

Dynamic:	Not determined.
Kinematic:	Not determined.

9.2 Other information	No further relevant information available.
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SECTION 10: Stability and reactivity

10.1 Reactivity	No further relevant information available.
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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.

10.3 Possibility of hazardous reactions

Forms explosive gas mixture with air.

10.4 Conditions to avoid

No further relevant information available.

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10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products:

Carbon monoxide and carbon dioxide
 Nitrogen oxides (NO_x)

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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	> 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:

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.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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.

SECTION 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.

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12.4 Mobility in soil

No further relevant information available.

Additional ecological information:**General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow product to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment**PBT:**

Not applicable.

vPvB:

Not applicable.

12.6 Other adverse effects

No further relevant information available.

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.

European waste catalogue

08 01 11	waste paint and varnish containing organic solvents or other dangerous substances
16 05 05	gases in pressure containers other than those mentioned in 16 05 04
15 01 11	metallic packaging containing a dangerous solid porous matrix (for example asbestos), including empty pressure containers

Uncleaned packaging:**Recommendation:**

Disposal must be made according to official regulations.

Recommended cleansing agents:

Solvent naphtha

SECTION 14: Transport information

14.1 UN-Number

ADR, IMDG, IATA

UN1950

14.2 UN proper shipping name

ADR

1950 AEROSOLS

IMDG

AEROSOLS

IATA

AEROSOLS, flammable

14.3 Transport hazard class(es)

ADR

Class

2 5F Gases.

Label

2.1

IMDG, IATA

Class

2.1

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Label	2.1
14.4 Packing group ADR, IMDG, IATA	Void
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user Danger code (Kemler): EMS Number:	Warning: Gases. - F-D,S-U
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
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":	UN1950, AEROSOLS, 2.1

SECTION 15: Regulatory information

**15.1 Safety, health and
environmental regulations/
legislation specific for the
substance or mixture**

No further relevant information available.

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.
H226 Flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.

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H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

Department issuing MSDS:

product safety department

Contact:

Hr. Dr. Starp

Abbreviations and acronyms:

ADR: Accord européen sur le transport 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

vPvB: very Persistent and very Bioaccumulative

Flam. Gas 1: Flammable gases, Hazard Category 1

Aerosol 1: Flammable aerosols, Hazard Category 1

Press. Gas C: Gases under pressure: Compressed gas

Flam. Liq. 3: Flammable liquids, Hazard Category 3

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

*** Data compared to the previous
 version altered.**