

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 09.02.2022

Version number 15.2 (replaces version 15.0)

Revision: 09.02.2022

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

#### 1.1 Product identifier

**Trade name:** Liquid Wax Cleaner Spray

**Article number:** 3029 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](mailto: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. Pressurised container: May burst if heated.

#### 2.2 Label elements

##### Hazard pictograms



GHS02

##### Signal word

Danger

##### Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised 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.

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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 national regulations.

**Additional information:** EUH066 Repeated exposure may cause skin dryness or cracking.  
**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:**

EC number: 918-481-9	aliphatic hydrocarbons, C10-C13  Asp. Tox. 1, H304, EUH066	50-75%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0	butane, pure  Flam. Gas 1A, H220; Press. Gas (Comp.), H280	10-<25%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5	propane  Flam. Gas 1A, H220; Press. Gas (Comp.), H280	3-<10%
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-01-8	isobutane  Flam. Gas 1A, H220; Press. Gas (Comp.), H280	1-≤2.5%

**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.

### 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.

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

Do NOT induce vomiting.

Headache  
Dizziness

**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:**

CO<sub>2</sub>, 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.  
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 item 13.  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents

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### 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, hot surfaces, sparks, open flames and other ignition sources. 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.

#### 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

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**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:**

**aliphatic hydrocarbons, C10-C13**

TWA	Short-term value: 1200 mg/m <sup>3</sup>
	CEPIC-HSPA

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

**8.2 Exposure controls**

**Appropriate engineering**

**controls**

No further data; see item 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.

**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.

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**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:  $\geq 0.4$  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:**

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.

**Auto-ignition temperature:**

Product is not selfigniting.

**pH**

Not applicable.

**Viscosity:**

**Kinematic viscosity**

Not determined.

**Dynamic:**

Not determined.

**Solubility**

**water:**

Not miscible or difficult to mix.

**Vapour pressure at 20 °C:**

10 hPa

**Density and/or relative density**

**Density:**

Not determined.

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**9.2 Other information****Appearance:****Form:** Aerosol**Important information on protection of health and environment, and on safety.****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. Pressurised 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

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**Self-heating substances and mixtures**

Void

**Substances and mixtures, which emit flammable gases in contact with water****Oxidising liquids**

Void

**Oxidising solids**

Void

**Organic peroxides**

Void

**Corrosive to metals**

Void

**Desensitised explosives**

Void

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.

**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.

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### 10.6 Hazardous

**decomposition products:** Carbon monoxide and carbon dioxide  
Nitrogen oxides (NO<sub>x</sub>)

## 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:

##### 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.

### 11.2 Information on other hazards

#### Endocrine disrupting properties

None of the ingredients is listed.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity:

##### 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.

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**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.

**European waste catalogue**

08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
15 01 10*	packaging containing residues of or contaminated by hazardous substances

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

### SECTION 14: Transport information

**14.1 UN number or ID number**
**ADR, IMDG, IATA** UN1950

**14.2 UN proper shipping name**

<b>ADR</b>	1950 AEROSOLS
<b>IMDG</b>	AEROSOLS
<b>IATA</b>	AEROSOLS, flammable

**14.3 Transport hazard class(es)**

<b>ADR</b>	
<b>Class</b>	2 5F Gases.
<b>Label</b>	2.1

**IMDG, IATA**

<b>Class</b>	2.1 Gases.
<b>Label</b>	2.1

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<b>14.4 Packing group ADR, IMDG, IATA</b>	Not applicable
<b>14.5 Environmental hazards: Marine pollutant:</b>	No
<b>14.6 Special precautions for user Hazard identification number (Kemler code): EMS Number: Stowage Code  Segregation Code</b>	Warning: Gases. - F-D,S-U 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.
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
<b>Transport/Additional information:</b>	
<b>ADR</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

Directive 2012/18/EU

Named dangerous

substances - ANNEX I

None of the ingredients is listed.

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**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

**REGULATION (EC) No  
1907/2006 ANNEX XVII** Conditions of restriction: 3

**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**REGULATION (EU) 2019/1148**

**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

**Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

**Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

### 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.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
EUH066	Repeated exposure may cause skin dryness or cracking.

**Department issuing SDS:** product safety department

**Contact:** Hr. Dr. Starp

**Version number of previous  
version:** 15.0

**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

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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 1A: Flammable gases – Category 1A  
 Aerosol 1: Aerosols – Category 1  
 Press. Gas (Comp.): Gases under pressure – Compressed gas  
 Asp. Tox. 1: Aspiration hazard – Category 1  
 ECHA Portal  
 Safety data sheets from raw material suppliers  
 ESIS : European chemical Substances Information System

Additions, Deletions, Revisions  
 Updated according to regulation (EU) 2020/878 amending regulation (EC) No:  
 1907/2006 (REACH)

**Sources**

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