

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 08.02.2022

Version number 15.1 (replaces version 14.1)

Revision: 08.02.2022

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

**1.1 Product identifier****Trade name:** Brush Cleaner and Thinner**Article number:** 8000**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**

Thinner, Diluent

**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:**

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**

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

**2.2 Label elements****Hazard pictograms**

GHS08

**Signal word**

Danger

**Hazard-determining****components of labelling:**

aliphatic hydrocarbons, C10-C13

**Hazard statements**

H304 May be fatal if swallowed and enters airways.

**Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read carefully and follow all instructions.  
P260 Do not breathe vapours.  
P262 Do not get in eyes, on skin, or on clothing.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

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P331 Do NOT induce vomiting.  
 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** Not applicable.

**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	75-100%
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**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.  
 Das Produkt enthält keine bituminösen Anteile.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

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

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

**After skin contact:** Generally the product does not irritate the skin.

**After eye contact:** Rinse opened eye for several minutes under running water. Then 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**

Unconsciousness  
 Nausea  
 Dizziness  
 Headache

**Hazards** Danger of pneumonia.

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**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:**

Sand  
 Fire-extinguishing powder  
 Water haze  
 Carbon dioxide

**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:**

Wear self-contained respiratory protective device.  
 Wear fully protective suit.

**Additional information**

Cool endangered receptacles with water spray.

### SECTION 6: Accidental release measures

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

Ensure adequate ventilation  
 Keep away from ignition sources.

**6.2 Environmental precautions:**

Do not allow to penetrate the ground/soil.  
 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:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).  
 Dispose contaminated material as waste according to item 13.  
 Ensure adequate ventilation.  
 Warm water and cleansing agent

**6.4 Reference to other sections**

See Section 7 for information on safe handling.  
 See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Use only in well ventilated areas.  
 Store in cool, dry place in tightly closed receptacles.  
 Keep away from heat and direct sunlight.  
 Ensure good ventilation/exhaustion at the workplace.  
 Prevent formation of aerosols.

#### Information about fire - and explosion protection:

Fumes can combine with air to form an explosive mixture.  
 Highly volatile, flammable constituents are released during processing.  
 Keep ignition sources away - Do not smoke.

#### 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.

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

Store away from foodstuffs.  
 Do not store together with alkalis (caustic solutions).  
 Do not store together with oxidising and acidic materials.

##### Further information about storage conditions:

Protect from heat and direct sunlight.  
 Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.  
 Store receptacle in a well ventilated area.  
 Keep container tightly sealed.

##### Storage class:

10

##### 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> CEFIC-HSPA
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**PNECs**

The substance is a hydrocarbon of complex, unknown or variable composition. Conventional methods for determining the PNECs are not suitable and it is not possible to determine a single representative PNEC for such substances.

**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.  
Avoid close or long term contact with the skin.  
Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.  
Do not inhale gases / fumes / aerosols.  
Immediately remove all soiled and contaminated clothing  
Avoid contact with the eyes and skin.  
Do not carry product impregnated cleaning cloths in trouser pockets.

**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.  
Short term filter device:  
Gas filter EN 14387 Type A (organic gas / vapor (boiling point > 65 ° C)).

**Hand protection**

Solvent resistant 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  
Preventive skin protection by use of skin-protecting agents is recommended.  
Nitrile rubber, NBR

**Material of gloves****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

**Not suitable are gloves made of the following materials:**

Strong material gloves

**Eye/face protection**

Goggles recommended during refilling

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**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

<b>Physical state</b>	Fluid
<b>Colour:</b>	Clear
<b>Odour:</b>	Mild
<b>Odour threshold:</b>	Not determined.
<b>Melting point/freezing point:</b>	-25 °C
<b>Boiling point or initial boiling point and boiling range</b>	> 180 °C
<b>Flammability</b>	The mixture is capable of catching fire or being set on fire.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	0.6 Vol %
<b>Upper:</b>	7.0 Vol %
<b>Flash point:</b>	61-66 °C (DIN EN ISO 2719)
<b>Auto-ignition temperature:</b>	233-255 °C (DIN 51794)
<b>pH</b>	Not applicable.
<b>Viscosity:</b>	
<b>Kinematic viscosity at 20 °C</b>	1-2.5 mm <sup>2</sup> /s
<b>Dynamic:</b>	Not determined.
<b>Solubility</b>	
<b>water:</b>	Not miscible or difficult to mix.
<b>Vapour pressure at 0 °C:</b>	1 hPa
<b>Density and/or relative density</b>	
<b>Density at 20 °C:</b>	0.787 g/cm <sup>3</sup> (DIN 51757)

#### 9.2 Other information

<b>Appearance:</b>	
<b>Form:</b>	Liquid
<b>Important information on protection of health and environment, and on safety.</b>	
<b>Ignition temperature:</b>	240 °C
<b>Explosive properties:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
<b>Solvent content:</b>	
<b>VOC (EC)</b>	707 g/l

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**Information with regard to physical hazard classes**

**Explosives**

Void

**Flammable gases**

Void

**Aerosols**

Void

**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

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**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:**

No decomposition if used and stored according to specifications.

**10.3 Possibility of hazardous**

**reactions**

Reacts with strong oxidising agents.

**10.4 Conditions to avoid**

No further relevant information available.

**10.5 Incompatible materials:**

Strong oxidising agents.

**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.

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**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** May be fatal if swallowed and enters airways.

**Additional toxicological information:**

**Acute effects (acute toxicity, irritation and corrosivity)** May be fatal if swallowed and enters airways.

**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**

The product is not easily, but potentially biodegradable.

**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.

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**12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

**12.7 Other adverse effects**

**Remark:**

The product is highly volatile.

**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**

07 07 04*	other organic solvents, washing liquids and mother liquors
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, ADN, IMDG, IATA

Not applicable

**14.2 UN proper shipping name**

ADR, ADN, IMDG, IATA

Not applicable

**14.3 Transport hazard class(es)**

ADR, ADN, IMDG, IATA

Class

Not applicable

**14.4 Packing group**

ADR, IMDG, IATA

Not applicable

**14.5 Environmental hazards:**

**Marine pollutant:**

No

**14.6 Special precautions for user**

Not applicable.

**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

**Transport/Additional information:**

Not dangerous according to the above specifications.

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**UN "Model Regulation":**

Not applicable

**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.

**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.

**Reasons for alterations**

Reach Annex II (2021)

**Relevant phrases**

H304 May be fatal if swallowed and enters airways.

EUH066 Repeated exposure may cause skin dryness or cracking.

**Recommended restriction of use**

Read carefully and follow all instructions.

Keep out of the reach of children

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**Classification according to**

**Regulation (EC) No 1272/2008** The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

**Department issuing SDS:** product safety department

**Contact:** Hr. Dr. Starp

**Version number of previous version:** 14.1

**Abbreviations and acronyms:** RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
 ICAO: International Civil Aviation Organisation  
 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)  
 VOC: Volatile Organic Compounds (USA, EU)  
 PNEC: Predicted No-Effect Concentration (REACH)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative  
 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)