

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

Printing date 17.03.2016

Version number 12

Revision: 17.03.2016

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

**1.1 Product identifier**

**Trade name:** **8000 Osmo Brush Cleaner and Thinner**

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

**Application of the substance / the mixture** Thinner, Diluent

**advised against** No further relevant information available.

**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**

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

**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**

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 label before use.  
P260 Do not breathe vapours.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
P331 Do NOT induce vomiting.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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**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: 64742-48-9	aliphatic hydrocarbons, C10-C13	 Asp. Tox. 1, H304	50-100%
EC number: 918-481-9			
Index number: 649-327-00-6			
Reg.nr.: 01-2119457273-39			

**Regulation (EC) No 648/2004 on detergents / Labelling for contents**

aliphatic hydrocarbons	≥ 30%
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**Additional information:** 94/69/EC (21st ATP). The benzene content of the product is less than 0.1%.  
 Classification or labeling as carcinogenic (R45) is not necessary.  
 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.

If skin irritation continues, consult a doctor.

**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.

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

Unconsciousness

Nausea

Disziness

Headache

Disziness

**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  
CO<sub>2</sub>, 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**

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**

Keep away from ignition sources.  
Ensure adequate ventilation

**6.2 Environmental precautions:**

Do not allow to penetrate the ground/soil.  
Do not allow to enter sewers/ surface or ground water.

**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.

**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.  
Store in cool, dry place in tightly closed receptacles.  
Keep away from heat and direct sunlight.

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

Ensure good ventilation/exhaustion at the workplace.  
 Prevent formation of aerosols.  
 Fumes can combine with air to form an explosive mixture.  
 Highly volatile, flammable constituents are released during processing.

**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.

**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:**

**64742-48-9 aliphatic hydrocarbons, C10-C13**

TWA (8 H)	Long-term value: 1.000 mg/m <sup>3</sup> , 150 ppm ppm Source: UK SIA
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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 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

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<b>Respiratory protection:</b>	Avoid contact with the eyes and skin. Do not carry product impregnated cleaning cloths in trouser pockets. Not necessary if room is well-ventilated. Use suitable respiratory protective device only when aerosol or mist is formed. Short term filter device: Gas filter EN 14387 Type A (organic gas / vapor (boiling point > 65 °C)).
<b>Protection of hands:</b>	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.
<b>Material of gloves</b>	Nitrile rubber, NBR
<b>Penetration time of glove material</b>	The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
<b>For the permanent contact gloves made of the following materials are suitable:</b>	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 374 Part 3: Level 6).
<b>As protection from splashes gloves made of the following materials are suitable:</b>	Nitrile rubber, NBR
<b>Not suitable are gloves made of the following materials:</b>	Strong material gloves
<b>Eye protection:</b>	Goggles recommended during refilling
<b>Body protection:</b>	Protective work clothing

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**General Information**

**Appearance:**

<b>Form:</b>	Liquid
<b>Colour:</b>	Clear
<b>Odour:</b>	Mild

**Change in condition**

<b>Melting point/Melting range:</b>	-25 °C
<b>Boiling point/Boiling range:</b>	> 180 °C

**Flash point:** > 61 °C

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<b>Ignition temperature:</b>	240 °C
<b>Self-igniting:</b>	Product is not selfigniting.
<b>Danger of explosion:</b>	Product does not present an explosion hazard.
<b>Explosion limits:</b>	
<b>Lower:</b>	0.6 Vol %
<b>Upper:</b>	7.0 Vol %
<b>Vapour pressure at 0 °C:</b>	1 hPa
<b>Density at 20 °C:</b>	0.787 g/cm <sup>3</sup>
<b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic at 20 °C:</b>	2 mm <sup>2</sup> /s
<b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

<b>10.1 Reactivity</b>	No further relevant information available.
<b>10.2 Chemical stability</b>	
<b>Thermal decomposition / conditions to be avoided:</b>	No decomposition if used and stored according to specifications.
<b>10.3 Possibility of hazardous reactions</b>	No dangerous reactions known.
<b>10.4 Conditions to avoid</b>	No further relevant information available.
<b>10.5 Incompatible materials:</b>	No further relevant information available.
<b>10.6 Hazardous decomposition products:</b>	Carbon monoxide and carbon dioxide Nitrogen oxides (NO <sub>x</sub> )

### SECTION 11: Toxicological information

<b>11.1 Information on toxicological effects</b>	
<b>Acute toxicity</b>	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)

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Inhalative	LC50 / 4h	> 5 mg/l (rat) (OECD 403)
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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** May be fatal if swallowed and enters airways.

## SECTION 12: Ecological information

**12.1 Toxicity****Aquatic toxicity:****64742-48-9 aliphatic hydrocarbons, C10-C13**

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** 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.

**Ecotoxicological effects:**

**Remark:** The product is highly volatile.

**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.

Do not allow undiluted product or large quantities of it 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.

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### 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 dangerous substances

#### Uncleaned packaging:

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

### SECTION 14: Transport information

#### 14.1 UN-Number

ADR, ADN, IMDG, IATA Void

#### 14.2 UN proper shipping name

ADR, ADN, IMDG, IATA Void

#### 14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class Void

#### 14.4 Packing group

ADR, IMDG, IATA Void

#### 14.5 Environmental hazards:

Marine pollutant: No

#### 14.6 Special precautions for user

Not applicable.

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

#### Transport/Additional information:

Not dangerous according to the above specifications.

#### UN "Model Regulation":

Void

### SECTION 15: Regulatory information

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

#### National regulations:

GISBAU-Code GISCODE: M-VM01

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**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**

H304 May be fatal if swallowed and enters airways.

**Department issuing MSDS:**

product safety department

**Contact:**

Hr. Dr. Starp

**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 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

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

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

