

## Safety Data Sheet

acc. to OSHA HCS

Printing date 05/25/2018

Reviewed on 05/25/2018

### 1 Identification

**Product identifier**
**Trade name:**
**Osmo Maintenance Oil**
**Article number:**

3079 Clear Matt, 3081 Clear Satin, 3440 White Transparent

**Application of the substance / the mixture**

 Maintenance product  
 Coating compound/ Surface coating/ paint

**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

**Information department:**

Product safety department

**Emergency telephone number:**

 24h-Emergency Phone Number:  
 For Chemical Emergency, Spill; Leak; Fire Exposure or Accident Call Day or Night  
 within USA and Canada 1-800-424-9300  
 Outside USA and Canada 001-703-527-3887 (WISAG FMO cargo Services GmbH &  
 Co.KG)

### 2 Hazard(s) identification

**Classification of the substance or mixture**

Flam. Liq. 4 H227 Combustible liquid.

**Label elements**
**GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

**Hazard pictograms**

Void

**Signal word**

Warning

**Hazard statements**

H227 Combustible liquid.

**Precautionary statements**

 P102 Keep out of reach of children.  
 P101 If medical advice is needed, have product container or label at hand.  
 P210 Keep away from flames and hot surfaces. – No smoking.  
 P262 Do not get in eyes, on skin, or on clothing.  
 P370+P378 In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.  
 P403+P235 Store in a well-ventilated place. Keep cool.  
 P501 Dispose of contents/container in accordance with local/regional/national/  
 international regulations.

**Additional information:**

 Observe the general safety regulations when handling chemicals.  
 Repeated exposure may cause skin dryness or cracking.

**Information pertaining to particular dangers for man and environment:**

CAUTION: Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water filled metal container to prevent this.

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**Information for doctor:**

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

No further relevant information available.

**Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**5 Fire-fighting measures**

**Extinguishing media**

**Suitable extinguishing agents:** CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**For safety reasons unsuitable extinguishing agents:**

Water with full jet

**Special hazards arising from the substance or mixture**

No further relevant information available.

**Advice for firefighters**

**Protective equipment:**

No special measures required.

**6 Accidental release measures**

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

Keep away from ignition sources  
Ensure adequate ventilation

**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.

**Methods and material for containment and cleaning up:**

Warm water and cleansing agent  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

**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.

**Protective Action Criteria for Chemicals**

<b>PAC-1:</b>		
64742-48-9	aliphatic hydrocarbons, C10-C13	350 mg/m <sup>3</sup>
7727-43-7	barium sulphate, natural	15 mg/m <sup>3</sup>
34590-94-8	Dipropylene glycol monomethyl ether	150 ppm
7631-86-9	silicon dioxide, chemically prepared	18 mg/m <sup>3</sup>
<b>PAC-2:</b>		
64742-48-9	aliphatic hydrocarbons, C10-C13	1,800 mg/m <sup>3</sup>

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7727-43-7	barium sulphate, natural	170 mg/m <sup>3</sup>
34590-94-8	Dipropylene glycol monomethyl ether	1700* ppm
7631-86-9	silicon dioxide, chemically prepared	740 mg/m <sup>3</sup>

**PAC-3:**

64742-48-9	aliphatic hydrocarbons, C10-C13	40,000 mg/m <sup>3</sup>
7727-43-7	barium sulphate, natural	990 mg/m <sup>3</sup>
34590-94-8	Dipropylene glycol monomethyl ether	9900** ppm
7631-86-9	silicon dioxide, chemically prepared	4,500 mg/m <sup>3</sup>

## 7 Handling and storage

**Handling:****Precautions for safe handling**

Prevent formation of aerosols.  
Keep away from heat and direct sunlight.  
Keep receptacles tightly sealed.  
Use only in well ventilated areas.

**Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

**Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:**

Store in a cool location.  
Store only in the original receptacle.

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

Do not store together with alkalis (caustic solutions).  
Do not store together with oxidizing and acidic materials.

**Further information about storage conditions:**

Keep receptacle tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.

**Storage class:**

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**Specific end use(s)**

No further relevant information available.

## 8 Exposure controls/personal protection

**Additional information about design of technical systems:**

No further data; see item 7.

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#### Control parameters

**Components with limit values that require monitoring at the workplace:**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

<b>7727-43-7 barium sulphate, natural</b>	
PEL	Long-term value: 15* 5** mg/m <sup>3</sup> *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m <sup>3</sup> *total dust **respirable fraction
TLV	Long-term value: 5* mg/m <sup>3</sup> *inhalable fraction; E
<b>34590-94-8 Dipropylene glycol monomethyl ether</b>	
PEL	Long-term value: 600 mg/m <sup>3</sup> , 100 ppm Skin
REL	Short-term value: 900 mg/m <sup>3</sup> , 150 ppm Long-term value: 600 mg/m <sup>3</sup> , 100 ppm Skin
TLV	Short-term value: 909 mg/m <sup>3</sup> , 150 ppm Long-term value: 606 mg/m <sup>3</sup> , 100 ppm Skin

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

#### Exposure controls

##### Personal protective equipment:

**General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Do not eat, drink, smoke or sniff while working.  
Avoid contact with the eyes and skin.

##### Breathing equipment:

Do not carry product impregnated cleaning cloths in trouser pockets.  
Use suitable respiratory protective device only when aerosol or mist is formed.  
Not necessary if room is well-ventilated.

##### Protection of hands:

Protective gloves and protective skin cream  
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

To avoid skin problems reduce the wearing of gloves to the required minimum.  
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

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	calculated in advance and has therefore to be checked prior to the application.
<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
<b>Eye protection:</b>	Goggles recommended during refilling.
<b>Body protection:</b>	Protective work clothing

### 9 Physical and chemical properties

#### Information on basic physical and chemical properties

##### General Information

##### Appearance:

<b>Form:</b>	Fluid
<b>Color:</b>	According to product specification
<b>Odor:</b>	Characteristic

##### Change in condition

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	Undetermined.

**Flash point:** >60°C °C (>140 °F) (DIN 53213)

**Ignition temperature:** 210 °C (410 °F)

**Auto igniting:** Product is not selfigniting.

**Danger of explosion:** Product does not present an explosion hazard.

**Density at 20 °C (68 °F):** 0.85-0.95 g/cm<sup>3</sup> (7.093-7.928 lbs/gal) (DIN 51757)

##### Solubility in / Miscibility with

**Water:** Not miscible or difficult to mix.

##### Viscosity:

<b>Dynamic:</b>	Not determined.
<b>Kinematic at 20 °C (68 °F):</b>	40-60 s (DIN 53211/4)

##### Solvent content:

**VOC content:** < 600 g/l / < 5 lb/gl

**Other information** No further relevant information available.

### 10 Stability and reactivity

**Reactivity** No further relevant information available.

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**Chemical stability****Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

**Possibility of hazardous reactions**

Reacts with fabric soaked in the product (e.g. cleaning wool).

**Conditions to avoid**

No further relevant information available.

**Incompatible materials:**

No further relevant information available.

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

CAUTION: Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water filled metal container to prevent this.

## 11 Toxicological information

**Information on toxicological effects****Acute toxicity:****LD/LC50 values that are relevant for classification:****64742-47-8 Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics**

Oral	LD50	>5000 mg/kg (rat)
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**64742-48-9 aliphatic hydrocarbons, C10-C13**

Oral	LD50	> 5000 mg/kg (rat) (OECD 401)
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Dermal	LD50	> 5000 mg/kg (rat) (OECD 402)
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Inhalative	LC50 / 4h	21 mg/l (rat) (OECD 403)
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**34590-94-8 Dipropylene glycol monomethyl ether**

Oral	LD50	> 5000 mg/kg (rat)
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Dermal	LD50	> 2000 mg/kg (rat)
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		13000 - 14000 mg/kg (rabbit)
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Inhalative	LC50 / 4h	1667 mg/l (rat)
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	LC50 / 72h	0.76 mg/l (senastrum capricornutum)
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**Primary irritant effect:****on the skin:**

No irritant effect.

**on the eye:**

No irritating effect.

**Sensitization:**

Sensitizing effect by skin contact is possible with prolonged exposure.

**Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:

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**Carcinogenic categories****IARC (International Agency for Research on Cancer)**

7631-86-9	silicon dioxide, chemically prepared	3
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**NTP (National Toxicology Program)**

None of the ingredients is listed.

**OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

**12 Ecological information****Toxicity****Aquatic toxicity:****64742-48-9 aliphatic hydrocarbons, C10-C13**

EC50 / 48h &gt; 1000 mg/l (daphnia) (OECD 202)

EC50/ 72h &gt; 1000 mg/l (algae) (OECD 201)

LC50 / 96h &gt; 1000 mg/l (fish) (OECD 203)

Biolog. Abbaubarkeit (leicht abbaubar)

**34590-94-8 Dipropylene glycol monomethyl ether**

EC50 / 48h (static) 1919 mg/l (daphnia)

LC50 / 96h 5.3 mg/l (Oncorhynchus mykiss (Regenbogenforelle))

LC50 / 48h 10.2 mg/l (Oncorhynchus mykiss (Regenbogenforelle))

**Persistence and degradability** No further relevant information available.**Behavior in environmental systems:****Bioaccumulative potential** No further relevant information available.**Mobility in soil** No further relevant information available.**Additional ecological information:****General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**Other adverse effects** No further relevant information available.**13 Disposal considerations****Waste treatment methods****Recommendation:** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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**Uncleaned packagings:****Recommendation:** Disposal must be made according to official regulations.**14 Transport information**

<b>UN-Number</b> DOT, ADR, ADN, IMDG, IATA	Void
<b>UN proper shipping name</b> DOT, ADN, IMDG, IATA ADR	Void Void
<b>Transport hazard class(es)</b> DOT, ADR, ADN, IMDG, IATA Class	Void
<b>Packing group</b> DOT, ADR, IMDG, IATA	Void
<b>Environmental hazards:</b> Marine pollutant:	No
<b>Special precautions for user</b>	Not applicable.
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
<b>UN "Model Regulation":</b>	Void

**15 Regulatory information****Safety, health and environmental regulations/legislation specific for the substance or mixture****Sara****Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

**Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

**TSCA (Toxic Substances Control Act):**

All ingredients are listed.

**Proposition 65****Chemicals known to cause cancer:**

None of the ingredients is listed.

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**Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

**Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

**Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

**Carcinogenicity categories****EPA (Environmental Protection Agency)**

7727-43-7 | barium sulphate, natural

D, CBD(inh), NL(oral)

**TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

**NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

**GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

**Hazard pictograms**

Void

**Signal word**

Warning

**Hazard statements**

H227 Combustible liquid.

**Precautionary statements**

P210 Keep away from flames and hot surfaces. – No smoking.

P262 Do not get in eyes, on skin, or on clothing.

P370+P378 In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

**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.

**Department issuing SDS:** product safety department**Contact:** Hr. Dr. Starp**Date of preparation / last revision** 05/25/2018 / 4

**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  
 DOT: US Department of Transportation  
 IATA: International Air Transport Association  
 ACGIH: American Conference of Governmental Industrial Hygienists  
 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)

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NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
VOC: Volatile Organic Compounds (USA, EU)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
NIOSH: National Institute for Occupational Safety  
OSHA: Occupational Safety & Health  
TLV: Threshold Limit Value  
PEL: Permissible Exposure Limit  
REL: Recommended Exposure Limit  
Flam. Liq. 4: Flammable liquids – Category 4  
Asp. Tox. 1: Aspiration hazard – Category 1

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