

Safety Data Sheet

according to HPR, Schedule 1

Printing date 08/28/2017

Reviewed on 08/28/2017

1 Identification

1.1 Product identifier

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

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

Information department: 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:

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)

Importer Osmo Wood and Colour Canada Ltd.
 5515 – 92 ST NW
 Edmonton, Alberta T6E 3A4
 Canada
 Tel: 001 (877) 746 6583
 E-mail: info@osmo.ca

2 Hazard identification

2.1 Classification of the substance or mixture

Classification according to Hazardous Products Regulations

Flam. Liq. 4 H227 Combustible liquid.

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

2.2 Label elements

Labelling according to Hazardous

Products Regulations

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

Hazard pictograms



GHS08

Signal word

Danger

Hazard-determining components

of labeling:

aliphatic hydrocarbons, C10-C13

Hazard statements

H227 Combustible liquid.

H304 May be fatal if swallowed and enters airways.

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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.
	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
	P331	Do NOT induce vomiting.
	P370+P378	In case of fire: Use for extinction: CO ₂ , powder or water spray.
	P403	Store in a well-ventilated place.
	P405	Store locked up.
	P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard description:**WHMIS-symbols:**

B3 - Combustible liquid

**Classification system:****NFPA ratings (scale 0 - 4)**

Health = 0
 Fire = 2
 Reactivity = 0

HMIS-ratings (scale 0 - 4)


Health = 0
 Fire = 2
 Reactivity = 0

2.3 Other hazards

Not applicable.

3 Composition/Information on ingredients

3.1 Substances**Identification number(s)****EC number:** 265-150-3**Index number:** 649-327-00-6**3.2 Mixtures****Description:** Mixture of the substances listed below with nonhazardous additions.**Dangerous components:**

64742-48-9	aliphatic hydrocarbons, C10-C13		Asp. Tox. 1, H304; Flam. Liq. 4, H227	50-100%
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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 is not necessary.

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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
 Dizziness
 Headache
 Dizziness

Danger

Danger of pneumonia.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:	Sand Fire-extinguishing powder Water haze Carbon dioxide CO ₂ , extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
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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.
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Additional information

Cool endangered receptacles with water spray.

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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.

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 protection
against explosions and fires:**

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 oxidizing 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 receptacle tightly sealed.

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7.3 *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.

8.1 Control parameters

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information:

The lists that were valid during the creation 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.
 Avoid contact with the eyes and skin.

Breathing equipment:

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)).

Protection of hands:

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.

Material of gloves

Nitrile rubber, NBR

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: ≥ 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).

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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 gloves
Eye protection: Goggles recommended during refilling.
Body protection: Protective work clothing

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form: Liquid
Color: Clear
Odor: Mild

Change in condition

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

Flash point: > 61 °C

Ignition temperature: 240 °C

Auto igniting: Product is not selfigniting.

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

Explosion limits:

Lower: 0.6 Vol %
Upper: 7.0 Vol %

Vapor pressure at 0 °C: 1 hPa

Density at 20 °C: 0.787 g/cm³

Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

Viscosity:

Dynamic: Not determined.

Kinematic at 20 °C: 2 mm²/s

9.2 Other information No further relevant information available.

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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	No dangerous reactions known.
10.4 Conditions to avoid	No further relevant information available.
10.5 Incompatible materials:	No further relevant information available.
10.6 Hazardous decomposition products:	Carbon monoxide and carbon dioxide Nitrogen oxides (NO _x)

11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity: Based on available data, the classification criteria are not met.

LD/LC50 values that are 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	> 5 mg/l (rat) (OECD 403)

Primary irritant effect:

on the skin: At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

on the eye: Based on available data, the classification criteria are not met.

Sensitization: Based on available data, the classification criteria are not met.

Additional toxicological information:

Carcinogenic categories

IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

NTP (National Toxicology Program)

None of the ingredients is listed.

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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 (Self-assessment): slightly hazardous for water
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.

13 Disposal considerations

13.1 Waste treatment methods

Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

14 Transport information

14.1 UN-Number

DOT, TDG, ADN, IMDG, IATA	Void
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14.2 UN proper shipping name

DOT, TDG, ADN, IMDG, IATA	Void
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14.3 Transport hazard class(es) <i>DOT, TDG, ADN, IMDG, IATA</i> Class	Void
14.4 Packing group <i>DOT, TDG, IMDG, IATA</i>	Void
14.5 Environmental hazards: <i>Marine pollutant:</i>	No
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	Not dangerous according to the above specifications.
UN "Model Regulation":	Void

15 Regulatory information

15.1 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.

Canadian substance listings:

Canadian Domestic Substances List (DSL)

All ingredients are listed.

Canadian Ingredient Disclosure list (limit 0.1%)

None of the ingredients is listed.

Canadian Ingredient Disclosure list (limit 1%)

None of the ingredients is listed.

15.2 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.

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Relevant phrases

H227 Combustible liquid.
 H304 May be fatal if swallowed and enters airways.

Department issuing SDS:

product safety department

Contact:

Hr. Dr. Starp

Date of preparation / last revision

08/28/2017 / 11

Abbreviations and acronyms:

ICAO: International Civil Aviation Organisation
 IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 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)
 NFPA: National Fire Protection Association (USA)
 HMIS: Hazardous Materials Identification System (USA)
 WHMIS: Workplace Hazardous Materials Information System (Canada)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative

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