

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 12.02.2008

Revision: 12.02.2008

1 Identification of the substance/preparation and of the company/undertaking

Product details

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

Application of the substance / the preparation Thinner, Diluent

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
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e-mail: helmut.starp@osmo.de

Information in case of emergency: emergency phone no. Berlin (24h): +49 (0) 30 / 19240

2 Hazards identification

Hazard description: Xn Harmful

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

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

R 65 Harmful: may cause lung damage if swallowed.

R 66 Repeated exposure may cause skin dryness or cracking.

Classification system: The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

Chemical characterization:

CAS No. Description Naphtha (Erdöl), mit Wasserstoff behandelte schwere

Identification number(s)

EINECS Number: 265-150-3

EU Number: 649-327-00-6

Chemical characterization

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 64742-48-9	Naphtha (petroleum), hydrotreated heavy	Xn; R 65-66	50-100%
EINECS: 265-150-3			

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

aliphatic hydrocarbons

≥ 30%

Additional information:

For the wording of the listed risk phrases refer to section 16.

4 First aid measures

General information:

Immediately remove any clothing soiled by the product.

After inhalation:

Take affected persons out into the fresh air.

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

After skin contact:

In case of unconsciousness place patient stably in side position for transportation.

Immediately wash with water and soap and rinse thoroughly.

After eye contact:

If skin irritation continues, consult a doctor.

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.

Information for doctor:

The following symptoms may occur:

Unconsciousness

Nausea

Dizziness

Headache

Dizziness

Hazards

Danger of pneumonia.

5 Fire-fighting measures

Suitable extinguishing agents:

Sand

Fire-extinguishing powder

Water haze

Carbon dioxide

CO₂, 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 caused by the substance, its products of combustion or resulting gases:

Formation of toxic gases is possible during heating or in case of fire.

Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

Additional information

Cool endangered receptacles with water spray.

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6 Accidental release measures

Person-related safety precautions: Keep away from ignition sources.

Ensure adequate ventilation

Measures for environmental protection:

Do not allow to penetrate the ground/soil.

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

Measures for cleaning/collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

7 Handling and storage

Handling:

Information 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.

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 container tightly sealed.

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8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

64742-48-9 Naphtha (petroleum), hydrotreated heavy

TWA (8H)	Short-term value: 1000 mg/m ³ Source UK SIA
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Additional information: The lists valid during the making were used as basis.

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.

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

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 protection:

Goggles recommended during refilling

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Body protection: Protective work clothing

9 Physical and chemical properties

General Information

Form: Liquid
Colour: Clear
Odour: Mild

Change in condition

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

Flash point: > 61°C

Ignition temperature: 240°C

Self-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 %

Vapour pressure at 0°C: 1 hPa

Density at 20°C: 0.79 g/cm³

Solubility in / Miscibility with water:

Not miscible or difficult to mix.

Viscosity:

Kinematic at 20°C: 2 mm²/s

10 Stability and reactivity

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

Dangerous decomposition products:

Carbon monoxide and carbon dioxide
Nitrogen oxides (NO_x)

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11 Toxicological information

Acute toxicity:

LD/LC50 values relevant for classification:

64742-48-9 Naphtha (petroleum), hydrotreated heavy

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
Inhalative	LC50 / 4h	>5 mg/l (rat)

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: Irritating effect.

Sensitization: No sensitizing effects known.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Vapours have narcotic effect.
Inhalation of concentrated vapours as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc.

12 Ecological information

Information about elimination (persistence and degradability):

The product is not easily, but potentially biodegradable.

Ecotoxicological effects:

Remark: The product is high-volatile.

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.

13 Disposal considerations

Product:

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

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Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

14 Transport information

Land transport ADR/RID (cross-border)

ADR/RID class: -

Maritime transport IMDG:

IMDG Class: -

Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: -

15 Regulatory information

Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

Code letter and hazard designation of product:

Xn Harmful

Hazard-determining components of labelling:

Naphtha (petroleum), hydrotreated heavy

Risk phrases:

65 Harmful: may cause lung damage if swallowed.
66 Repeated exposure may cause skin dryness or cracking.

Safety phrases:

2 Keep out of the reach of children.
23 Do not breathe fumes/aerosol.
24 Avoid contact with skin.
62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Special labelling of certain preparations:

Safety data sheet available for professional user on request.

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 R-phrases

65 Harmful: may cause lung damage if swallowed.
66 Repeated exposure may cause skin dryness or cracking.

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Department issuing MSDS: product safety department

Contact: Hr. Dr. Starp