

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/17/2018

Reviewed on 05/17/2018

1 Identification

Product identifier

Trade name: 8000 Brush Cleaner and Thinner

Application of the substance / the mixture Thinner, Diluent

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
Phone: +49 (0) 251 / 692 - 188
Fax: +49 (0) 251 / 692 - 462
e-mail: helmut.starp@osmo.de

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.

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

Label elements

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

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.

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.

P280 Wear protective gloves / eye protection.

P301+P310 If swallowed: Immediately call a poison center/doctor.

P331 Do NOT induce vomiting.

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P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.

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

P405 Store locked up.

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

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

Fire = 2

Reactivity = 0

HMIS-ratings (scale 0 - 4) Health = 0


Fire = 2

Reactivity = 0

Other hazards Not applicable.**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

3 Composition/information on ingredients

Chemical characterization: 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.

4 First-aid measures

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.**Information for doctor:****Most important symptoms and effects, both acute and delayed** Unconsciousness

Nausea

Dizziness

Headache

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Danger Danger of pneumonia.
Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire-fighting measures

Extinguishing media
Suitable extinguishing agents: Sand
 Fire-extinguishing powder
 Water haze
 Carbon dioxide
 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 Formation of toxic gases is possible during heating or in case of fire.

Advice for firefighters
Protective equipment: Wear self-contained respiratory protective device.
 Wear fully protective suit.

Additional information Cool endangered receptacles with water spray.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep away from ignition sources
 Ensure adequate ventilation

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

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.

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

PAC-1:	
64742-48-9	aliphatic hydrocarbons, C10-C13
	350 mg/m ³

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PAC-2:

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

1,800 mg/m³**PAC-3:**

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

40,000 mg/m³

7 Handling and storage

Handling:**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.

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.

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.

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.

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Additional information:

The lists that were valid during the creation were used as basis.

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.
Do not carry product impregnated cleaning cloths in trouser pockets.

Breathing equipment:

Not necessary if room is well-ventilated.
Use suitable respiratory protective device only when aerosol or mist is formed.
Short term filter device:

Protection of hands:

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

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

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9 Physical and chemical properties**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 (-13 °F)
Boiling point/Boiling range:	> 180 °C (>356 °F)

Flash point: 61-66 °C (141.8-150.8 °F)**Ignition temperature:** 240 °C (464 °F)**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 (32 °F): 1 hPa (0.8 mm Hg)**Density at 20 °C (68 °F):** 0.787 g/cm³ (6.568 lbs/gal)**Solubility in / Miscibility with****Water:** Not miscible or difficult to mix.**Viscosity:**

Dynamic:	Not determined.
Kinematic at 20 °C (68 °F):	2 mm ² /s

Solvent content:

VOC content: 85.0 %
667.3 g/l / 5.57 lb/gl

Other information

No further relevant information available.

10 Stability and reactivity**Reactivity** No further relevant information available.**Chemical stability****Thermal decomposition /****conditions to be avoided:** No decomposition if used and stored according to specifications.**Possibility of hazardous reactions** No dangerous reactions known.**Conditions to avoid** No further relevant information available.

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Incompatible materials: No further relevant information available.
Hazardous decomposition products: Carbon monoxide and carbon dioxide
 Nitrogen oxides (NOx)

11 Toxicological information

Information on toxicological effects

Acute toxicity:

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: Irritating effect.

Sensitization: No sensitizing effects known.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Vapors have narcotic effect.

Inhalation of concentrated vapours as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc.

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.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

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12 Ecological information

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)

Persistence and degradability The product is not easily, but potentially biodegradable.

Behavior in environmental systems:

Bioaccumulative potential No further relevant information available.

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.

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.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

14 Transport information

UN-Number

DOT, ADR, ADN, IMDG, IATA	Void
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UN proper shipping name

DOT, ADR, ADN, IMDG, IATA	Void
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Transport hazard class(es) <i>DOT, ADR, ADN, IMDG, IATA</i> Class	Void
Packing group <i>DOT, ADR, IMDG, IATA</i>	Void
Environmental hazards: <i>Marine pollutant:</i>	No
Special precautions for user	Not applicable.
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

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.
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.

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

None of the ingredients is listed.

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

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.

Precautionary statements

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

P280 Wear protective gloves / eye 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: CO₂, powder or water spray.

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

P405 Store locked up.

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** 05/17/2018 / 11

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
DOT: US Department of Transportation

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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)
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.*