

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/25/2018

Reviewed on 05/08/2018

1 Identification

Product identifier

Trade name: **1101 Osmo Wood Wax Finish Clear Extra Thin**

Application of the substance / the mixture

Coating compound/ Surface coating/ paint
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
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.

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 Although this product is not subject to identification regulations, we recommend that the safety suggestions are observed.

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.

P271 Use only outdoors or in a well-ventilated area.

P370+P378 In case of fire: Use for extinction: CO2, 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.

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Information pertaining to particular dangers for man and environment:

Always wear a dust mask when sanding.

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.

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

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	25-50%
34590-94-8	Dipropylene glycol monomethyl ether	Flam. Liq. 4, H227	2.5-10%

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:

Do not induce vomiting; immediately call for medical help.

Information for doctor:

Most important symptoms and effects, both acute and delayed

Dizziness

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Indication of any immediate medical attention and special treatment needed

Headache

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

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

Advice for firefighters

Protective equipment:

Mouth respiratory protective device.

Additional information

Cool endangered receptacles with water spray.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation
Keep away from ignition sources

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

PAC-1:

34590-94-8	Dipropylene glycol monomethyl ether	150 ppm
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PAC-2:

34590-94-8	Dipropylene glycol monomethyl ether	1700* ppm
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PAC-3:

34590-94-8 Dipropylene glycol monomethyl ether

9900** ppm

7 Handling and storage

Handling:**Precautions for safe handling**

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

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

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:

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

Storage class:

10

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 following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
At this time, the remaining constituent has no known exposure limits.

34590-94-8 Dipropylene glycol monomethyl ether

PEL	Long-term value: 600 mg/m ³ , 100 ppm Skin
REL	Short-term value: 900 mg/m ³ , 150 ppm Long-term value: 600 mg/m ³ , 100 ppm Skin

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TLV	Short-term value: 909 mg/m ³ , 150 ppm Long-term value: 606 mg/m ³ , 100 ppm Skin
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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:**

Immediately remove all soiled and contaminated clothing.
Keep away from foodstuffs, beverages and feed.
Avoid contact with the eyes and skin.
Do not eat, drink, smoke or sniff while working.
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:
Filter A/P2

Protection of hands:

Protective gloves
To avoid skin problems reduce the wearing of gloves to the required minimum.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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
The breakthrough time must be at least 480 minutes (Permeation according to EN 374 Part 3: Level 6)

For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

Nitrile rubber, NBR

Eye protection:

If risk of splashing:
Safety glasses according to EN 166:2001 (e.g. densely closing frame glasses with side protection)

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:	Fluid
Color:	Colorless
Odor:	Mild

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	> 180 °C (>356 °F)

Flash point: > 62 °C (>143.6 °F) (DIN EN ISO 2719)

Ignition temperature: 240 °C (464 °F)

Auto igniting: Product is not selfigniting.

Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

Explosion limits:

Lower:	0.6 Vol %
Upper:	7.0 Vol %

Density at 20 °C (68 °F): 0.83-0.87 g/cm³ (6.926-7.26 lbs/gal)

Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

Viscosity:

Dynamic:	Not determined.
Kinematic:	>21 mm ² /s (40°C)

Solvent content:

VOC content: ~ 430 g/l / 3.58 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 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.

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Hazardous decomposition products:

Formation of toxic gases is possible during heating or in case of fire.
Nitrogen oxides (NO_x)
Carbon monoxide and carbon dioxide

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:

64742-48-9 aliphatic hydrocarbons, C10-C13

Oral	LD50	> 5000 mg/kg (rat) (OECD 401)
Dermal	LD50	> 5000 mg/kg (rat) (OECD 402)
Inhalative	LC50 / 4h	21 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:

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:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

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)
Biolog. Abbaubarkeit	(leicht abbaubar)

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.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agent: Solvent naphtha

14 Transport information

UN-Number

DOT, ADR, ADN, IMDG, IATA Void

UN proper shipping name

DOT, ADN, IMDG, IATA Void

ADR Void

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Transport hazard class(es)	
DOT, ADR, ADN, IMDG, IATA Class	Void
Packing group	
DOT, ADR, IMDG, IATA	Void
Environmental hazards:	
Marine pollutant:	No
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	
	Not applicable.
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.

Carcinogenicity categories

EPA (Environmental Protection Agency)

None of the ingredients is listed.

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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.
 P271 Use only outdoors or in a well-ventilated area.
 P370+P378 In case of fire: Use for extinction: CO₂, 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 / 15

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)
 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

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Asp. Tox. 1: Aspiration hazard – Category 1

** Data compared to the previous
version altered.*