

Safety Data Sheet

in accordance with HSNO

Date of issue: 08.04.2026

Version number 20.2 (replaces version 20.1)

Revision: 08.04.2026

SECTION 1: Identification of the substance or mixture and of the supplier

Other means of identification

Trade name: Decking Oil

Article number: 004-022

Relevant identified uses of the substance or mixture and uses advised against No further relevant information available.

Application of the substance / the mixture Wood treatment
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

Further information obtainable from:

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

Emergency telephone number:

National Poison Centre: 0800 764 766 (0800 POISON)
Chemcall 24/7 Emergency Response Service: 0800 243 622 (0800 CHEMCALL)
Emergency Services (Fire, Ambulance, Police): Dial 111

Importer

Bailey Wood
Osmo New Zealand 2025 Limited
8011 Christchurch
362 Cashel Street
Neuseeland
E-Mail: info@osmo.co.nz
Telefon: 00649575/9849
Mobil: 00642192/9555

SECTION 2: Hazards identification

Classification of the substance or mixture

Flammable liquids Category 4 H227 Combustible liquid.

Additional information: HSNO Classes: 3.1D;

Label elements

Hazard pictograms Void

Signal word Warning

Hazard statements H227 Combustible liquid.

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Precautionary statements

- P102 Keep out of reach of children.
- 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/hearing protection.
- P370+P378 In case of fire: Use CO₂, powder or water spray to extinguish.
- P403 Store in a well-ventilated place.
- P501 Dispose of contents/container in accordance with national regulations.

Other hazards

Observe the general safety regulations when handling chemicals.

Always wear a dust mask when sanding.

Warning: Materials impregnated with liquid product, such as cloths, may self-ignite. After use, let the materials to dry completely either spread out flat or in a closed metal container and then dispose of them properly.

Results of PBT and vPvB assessment**PBT:** Not applicable**vPvB:** Not applicable

SECTION 3: Composition/Information on ingredients

Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

CAS: 64742-48-9	aliphatic hydrocarbons, C10-C13 n-alkanes, i-alkanes, cyclics, aromatics < 2	25-50%
EC number: 918-481-9	%	
Aspiration hazard Category 1, H304; Flammable liquids Category 4, H227		

SVHC Not applicable**Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

Description of first aid measures**General information:** Take affected persons out into the fresh air.**After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:** Generally the product does not irritate the skin.**After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: If swallowed, seek medical advice immediately and show this container or label.

Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Headache

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Indication of any immediate medical attention and special treatment needed

Dizziness

No further relevant information available.

SECTION 5: Fire fighting measures

Extinguishing media
Suitable extinguishing agents:

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 arising from the substance or mixture
Advice for firefighters

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

Protective equipment:

Mouth respiratory protective device.

Additional information

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

Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.
 Keep away from ignition sources.
 Ensure adequate ventilation

Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

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 13 for disposal information.
 No dangerous substances are released.

SECTION 7: Handling and storage

Precautions for safe handling

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

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Information about fire - and explosion protection:

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 oxidising and acidic materials.

Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Storage class:

10

Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

Control parameters
Ingredients 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 valid during the making were used as basis.

Exposure controls
Appropriate engineering controls

No further data; see section 7.

Individual protection measures, such as 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.

Respiratory protection:

Use suitable respiratory protective device only when aerosol or mist is formed.

Not necessary if room is well-ventilated.

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

Half mask with round thread connection EN 148-1 (screw-on filter) and combination filter A1 - P2 according to German DIN EN 14387.

Hand protection

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

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Material of gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Penetration time of glove material

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Nitrile rubber, NBR

For the permanent contact gloves made of the following materials are suitable:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.4 mm

For the mixture 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

Eye/face protection

Goggles recommended during refilling

Body protection:

Protective work clothing

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties**General Information****Physical state**

Liquid

Colour:

According to product specification

Odour:

Mild

Melting point/freezing point:

Undetermined

Boiling point or initial boiling point and boiling range

> 180 °C (> 356 °F)

Lower and upper explosion limit**Lower:**

0.6 Vol %

Upper:

7.0 Vol %

Flash point:

> 60 °C (> 140 °F) (DIN EN ISO 2719)

Auto-ignition temperature:

240 °C (464 °F)

pH

Not applicable

Viscosity:**Kinematic viscosity at 20 °C (68 °F)**

30–60 s (DIN EN ISO 2719/3mm)

Dynamic at 40 °C (104 °F):

> 21 mm²/s (berechnet)

Solubility**water:**

Not miscible or difficult to mix.

Density and/or relative density**Density at 20 °C (68 °F):**

0.85 - 1.0 g/cm³ (7.093 - 8.345 lbs/gal) (DIN 51757)

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Particle characteristics	Not applicable
Other information Appearance: Form: Fluid Important information on protection of health and environment, and on safety. Ignition temperature: Product is not selfigniting. Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.	
Information with regard to physical hazard classes Explosives Void Flammable gases Void Aerosols Void Oxidising gases Void Gases under pressure Void Flammable liquids Combustible liquid. Flammable solids Void Self-reactive substances and mixtures Void Pyrophoric liquids Void Pyrophoric solids Void Self-heating substances and mixtures Void Substances and mixtures, which emit flammable gases in contact with water Void Oxidising liquids Void Oxidising solids Void Organic peroxides Void Corrosive to metals Void Desensitised explosives Void	

SECTION 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	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Incompatible materials:	No further relevant information available.
Hazardous decomposition products:	Carbon monoxide and carbon dioxide Nitrogen oxides (NOx)

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Additional information:

Warning: Materials impregnated with liquid product, such as cloths, may self-ignite. After use, let the materials to dry completely either spread out flat or in a closed metal container and then dispose of them properly.

SECTION 11: Toxicological information

Information on hazard classes as defined in Regulation (EC) No 1272/2008
Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:
CAS: 64742-48-9 aliphatic hydrocarbons, C10-C13 n-alkanes, i-alkanes, cyclics, aromatics < 2 %

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rat)
Inhalative	LC50 / 4h	>5 mg/l (rat)

Primary irritant effect:
Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

Respiratory or skin
sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

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

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

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

Subacute to chronic toxicity: Based on available data, the classification criteria are not met.

Information on other hazards
Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

Toxicity
Aquatic toxicity:
CAS: 64742-48-9 aliphatic hydrocarbons, C10-C13 n-alkanes, i-alkanes, cyclics, aromatics < 2 %

EC50 / 48h	>1,000 mg/l (Daphnia magna)
IC50 / 72h	>1,000 mg/l (algae)
LC50 / 96h	>1,000 mg/l (fish)

Persistence and degradability No further relevant information available.

Bioaccumulative potential No further relevant information available.

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Mobility in soil

No further relevant information available.

Results of PBT and vPvB assessment**PBT:**

Not applicable

vPvB:

Not applicable

Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

Other adverse effects**Additional ecological information:****General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

SECTION 13: Disposal considerations

Waste treatment methods**Recommendation**

Do not clean empty packaging before disposal.

Paint must not be flushed down the drain, not even when cleaning painting tools.

Consumers: Dispose of paint leftovers at your local household hazardous waste collection point.

Professionals: Dispose of paint leftovers by contracting a waste management company.

For information on the prevention of the release of synthetic polymer particles see Section 15

Uncleaned packaging:**Recommendation:**

Disposal must be made according to official regulations.

Recommended cleansing agents:

Solvent naphtha

Osmo Brush Cleaner and Thinner

SECTION 14: Transport information

UN number or ID number**NZS, ADN, IMDG, IATA**

Not applicable

UN proper shipping name**NZS, ADN, IMDG, IATA**

Not applicable

Transport hazard class(es)**NZS, ADN, IMDG, IATA****Class**

Not applicable

Packing group**NZS, IMDG, IATA**

Not applicable

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Environmental hazards:
Marine pollutant: No

Special precautions for user Not applicable

Maritime transport in bulk according to IMO instruments

Not applicable

UN "Model Regulation": Not applicable

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture
New Zealand Inventory of Chemicals

All ingredients are listed.

HSNO Approval numbers This product is approved under the Surface Coatings and Colourants (Combustible) Group Standard 2020 (HSR002657) and complies with the requirements of the Hazardous Substances (Safety Data Sheets) Notice 2017.

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

Hazard pictograms Void

Signal word Warning

Hazard statements H227 Combustible liquid.

Precautionary statements

P102	Keep out of reach of children.
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/hearing protection.
P370+P378	In case of fire: Use CO ₂ , powder or water spray to extinguish.
P403	Store in a well-ventilated place.
P501	Dispose of contents/container in accordance with national regulations.

Chemical safety assessment
Named dangerous

substances - ANNEX I None of the ingredients is listed.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 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 phrases

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

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Department issuing SDS: product safety department

Contact: Hr. Dr. Starp

Abbreviations and acronyms: ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 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)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 SVHC: Substances of Very High Concern
 vPvB: very Persistent and very Bioaccumulative
 Flammable liquids Category 4: Flammable liquids – Category 4
 Aspiration hazard Category 1: Aspiration hazard – Category 1

Sources

ECHA Portal
 ESIS : European chemical Substances Information System
 Safety data sheets from raw material suppliers

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

Additions, Deletions, Revisions
 Updated according to regulation (EU) 2020/878 amending regulation (EC) No: 1907/2006 (REACH)