

Wood Counter Finish

Revision date: 2 Sep 2021 Version: 1.0.1.0. Print date: 12 Oct 2021

BIOSHIELD**Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Trade name/designation:**

Wood Counter Finish

Article No.:

#8

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture:**

Coating material

1.3. Details of the supplier of the safety data sheet**Supplier (manufacturer/importer/only representative/downstream user/distributor):****Eco Design Co./ Bioshield**

1583 Pacheco Street

Santa Fe, NM 87505

USA

Telephone: +1-505-438 3448**Telefax:** +1-505-438 0199**E-mail:** info@bioshieldpaint.com**Website:** www.bioshieldpaint.com**1.4. Emergency telephone number**

During business hours Mo-Th 9-5 Fr 9-4 MST: 1-505-438 3448

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008 [CLP]:**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

According to EC directives or the corresponding national regulations the product does not have to be labelled.

Hazard statements: -**Supplemental hazard information**

EUH210 Safety data sheet available on request.

Precautionary Statements: -**2.3. Other hazards****Adverse physicochemical effects:**

This is an oxidative drying product! CAUTION, risk of spontaneous combustion due to the content of oxidatively drying oils /ingredients in contaminated cleaning rags, brushes, filter mats, spray dusts, etc. Immediately after use soak in water, allow to spread out in open air or fire-protected area and dispose of separately. Do not use on spray booths where NC and / or 2 component paints are also processed because of the risk of immediate or delayed self-ignition!

Adverse environmental effects:





The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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SECTION 3: Composition / information on ingredients**3.2. Mixtures****Hazardous ingredients / Hazardous impurities / Stabilisers:**

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 64741-65-7 EC No.: 918-167-1 REACH No.: 01-2119472146-39-0001	Hydrocarbons, C11-C12, isoalkanes, <2% aromatics Aquatic Chronic 4, Asp. Tox. 1, Flam. Liq. 3   Danger H226-H304-H413	3 - < 5 weight-%
CAS No.: 64742-48-9 EC No.: 918-481-9 REACH No.: 01-2119457273-39	Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, <2% aromatics Asp. Tox. 1  Danger H304-EUH066	1 - < 2 weight-%
CAS No.: 22464-99-9 EC No.: 245-018-1 REACH No.: 01-2119979088-21	2-ethylhexanoic acid, zirconium salt Repr. 2  Warning H361d	0.1 - < 0.25 weight-%

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures****General information:**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:

Provide fresh air.

In case of skin contact:

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not wash with: Solvents/Thinner.

After eye contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion:

Rinse mouth. Get medical advice/attention if you feel unwell. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

No known symptoms to date.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media:**

alcohol resistant foam, Carbon dioxide (CO₂) , Extinguishing powder , Water mist.

Unsuitable extinguishing media:

Strong water jet

5.2. Special hazards arising from the substance or mixture**Hazardous combustion products:**

In case of fire: Gases/vapours, harmful.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel****Personal precautions:**

Avoid breathing dust/fume/gas/mist/vapours/spray. Keep away from sources of ignition - No smoking. Ventilate affected area.

Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2. For emergency responders**Personal protection equipment:**

Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up**For containment:**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

For cleaning up:

Clean with detergents. Avoid solvent cleaners.

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

6.5. Additional information

Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Protective measures****Advices on safe handling:**

Wear personal protection equipment (refer to section 8). Only use the material in places where open light, fire and other flammable sources can be kept away. Use only non-sparking tools. Avoid contact with skin, eyes and clothes. Do not breathe dusts or mists.

Fire prevent measures:

Vapours are heavier than air, spread along floors and form explosive mixtures with air.

Advices on general occupational hygiene

When using do not eat, drink or smoke. Avoid contact with eyes and skin.

7.2. Conditions for safe storage, including any incompatibilities**Technical measures and storage conditions:**

Keep container tightly closed in a cool, well-ventilated place. Never use pressure to empty container.

Packaging materials:

Keep only in original container.

Requirements for storage rooms and vessels:

Store in a well-ventilated place. Keep container tightly closed. Protect from sunlight.

Hints on storage assembly:

Do not store together with: Acids, Alkali (lye).

Storage class: 10 - Combustible liquids that cannot be assigned to any of the above storage classes

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****8.1.1. Occupational exposure limit values**

No data available

8.1.2. Biological limit values

No data available

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8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
2-ethylhexanoic acid, zirconium salt CAS No.: 22464-99-9	32.97 mg/m ³	① DNEL worker ② inhalative, long-term, systemic
2-ethylhexanoic acid, zirconium salt CAS No.: 22464-99-9	8.13 mg/m ³	① DNEL Consumer ② inhalative, long-term, systemic
2-ethylhexanoic acid, zirconium salt CAS No.: 22464-99-9	6.49 mg/kg	① DNEL worker ② dermal, long-term, systemic
2-ethylhexanoic acid, zirconium salt CAS No.: 22464-99-9	3.25 mg/kg	① DNEL Consumer ② dermal, long-term, systemic
2-ethylhexanoic acid, zirconium salt CAS No.: 22464-99-9	4.51 mg/kg	① DNEL Consumer ② oral, long-term, systemic

Substance name	PNEC Value	① PNEC type
2-ethylhexanoic acid, zirconium salt CAS No.: 22464-99-9	0.36 mg/l	① PNEC aquatic, freshwater
2-ethylhexanoic acid, zirconium salt CAS No.: 22464-99-9	0.036 ml/l	① PNEC aquatic, marine water
2-ethylhexanoic acid, zirconium salt CAS No.: 22464-99-9	71.7 mg/kg	① PNEC sewage treatment plant
2-ethylhexanoic acid, zirconium salt CAS No.: 22464-99-9	6.37 mg/kg	① PNEC sediment, freshwater
2-ethylhexanoic acid, zirconium salt CAS No.: 22464-99-9	0.637 mg/kg	① PNEC sediment, marine water
2-ethylhexanoic acid, zirconium salt CAS No.: 22464-99-9	1.06 mg/kg	① PNEC soil

8.2. Exposure controls

8.2.1. Appropriate engineering controls

In case of inadequate ventilation wear respiratory protection.

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection DIN EN 166

Skin protection:

Tested protective gloves must be worn: EN ISO 374. Suitable material: NR (natural rubber, natural latex). Breakthrough time (maximum wearing time) > 480 min. In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

Respiratory protection:

Respiratory protection necessary at: insufficient ventilation.

Other protection measures:

Wear protective gloves/protective clothing/eye protection/face protection.

8.2.3. Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Colour: light yellow

Odour: not determined

Safety relevant basis data

parameter		at °C	Method	Remark
pH	<i>not determined</i>			
Melting point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	190 °C			
Decomposition temperature	<i>not determined</i>			

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parameter		at °C	Method	Remark
Flash point	63 °C			
Evaporation rate	<i>not determined</i>			
Auto-ignition temperature	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	0.95 g/cm ³	20 °C		
Bulk density	<i>not determined</i>			
Water solubility	<i>not determined</i>			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	35 mm ² /s	40 °C		

9.2. Other information

No data available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under recommended storage and handling conditions.

10.2. Chemical stability

No data available

10.3. Possibility of hazardous reactions

Exothermic reaction with: Strong acid, Strong alkali

10.4. Conditions to avoid

At high temperatures Hazardous decomposition products

10.5. Incompatible materials

Spontaneous ignition possible through autoxidation of cloths soaked in the product. Clear contaminated areas thoroughly.

10.6. Hazardous decomposition products

At high temperatures Carbon monoxide, carbon dioxide,

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

CAS No.	Substance name	Toxicological information
64741-65-7	Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	LD₅₀ oral: >5,000 mg/kg (Rat) LD₅₀ dermal: >5,000 mg/kg (Rabbit)
64742-48-9	Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, <2% aromatics	LD₅₀ oral: >5,000 mg/kg (Rat) LD₅₀ dermal: >5,000 mg/kg (Rabbit) LC₅₀ Acute inhalation toxicity (vapour): >5,000 mg/l (Rat)

Acute oral toxicity:

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

Acute dermal toxicity:

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

Acute inhalation toxicity:

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

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.

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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.

Additional information:

There are no data available on the preparation/mixture itself.

SECTION 12: Ecological information**12.1. Toxicity**

CAS No.	Substance name	Toxicological information
64742-48-9	Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, <2% aromatics	LC₅₀: >1,000 mg/l 4 d (fish, Oncorhynchus mykiss (Rainbow trout)) EC₅₀: >1,000 mg/l 2 d (crustaceans, Daphnia magna (Big water flea)) EC₅₀: >1,000 mg/l 3 d (Algae/water plant)

Additional ecotoxicological information:

There are no data available on the preparation/mixture itself. Do not allow to enter into surface water or drains.

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
64742-48-9	Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, <2% aromatics	—

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Do not allow to enter into surface water or drains. Collect in closed and suitable containers for disposal.

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product:

08 01 12 waste paint and varnish other than those mentioned in 08 01 11

Waste treatment options**Appropriate disposal / Product:**

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Appropriate disposal / Package:

Non-contaminated packages may be recycled.

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SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN-No.			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant			
14.4. Packing group			
not relevant			
14.5. Environmental hazards			
not relevant			
14.6. Special precautions for user			
not relevant			

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
not relevant

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU legislation****Authorisations:**

This product meets the requirements of Regulation (EC) No. 1935/2004 on the limitation of VOC content.

VOC-value (in g/L): 45

VOC product category: i

type : Lb

VOC limit value: 500 g/l

15.1.2. National regulations

No data available

15.2. Chemical Safety Assessment

For the following substances of this mixture a chemical safety assessment has been carried out: REACH No. 01-2119457273-39

SECTION 16: Other information**16.1. Indication of changes**

* Data changed compared with the previous version

16.2. Abbreviations and acronymsSee overview table at www.euphrac.eu**16.3. Key literature references and sources for data**

No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]**Classification according to Regulation (EC) No 1272/2008 [CLP]:**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H361d	Suspected of damaging the unborn child.

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Hazard statements

H413	May cause long lasting harmful effects to aquatic life.
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Supplemental hazard information

EUH066	Repeated exposure may cause skin dryness or cracking.
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16.6. Training advice

No data available

16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.