Safety Data Sheet
EGGER OSB H2

According to 29 CFR 1910.1200 App D

This product is not hazardous in the form in which it is shipped by the manufacturer, but may become hazardous by wood dust generating downstream activities (e.g. grinding, sanding, cutting or pulverizing).

Section 1: Identification of the substance/mixture and the company/undertaking

1.1 Product Identifier
Trade name      EGGER OSB H2 (Oriented Strand Board)
Product description EGGER OS'Brace® H2, EGGER OS'Floor™ H2

1.2 Relevant identified uses of the substance or mixture and uses advised against
Recommended use Construction processes

1.3 Details of the supplier of the Safety Data Sheet
Manufacturer/Supplier/Importer EGGER Holzwerkstoffe Wismar GmbH & Co. KG
Am Haffeld 1
23970 Wismar
Germany
+49 3841 301-0

Regional Support Centre EGGER Australasia Pty Ltd
P.O. Box 697
Carlton South, Victoria
Australia 3053
australia@egger.com

Additional Information environment@egger.com

1.4 Emergency phone number
+61 131 126 (Poisons Information Centre)

Section 2: Hazards identification

2.1 Classification of the substance or mixture
OSHA HCS 2012
This product is generally an article and not hazardous, but is regulated under OSHA for the release of wood dust during downstream activities, like grinding, sanding, cutting and sawing. The free formaldehyde levels are below OSHA reporting requirements. The classifications below are based upon wood dust and the use of permethrin:
Skin Irritation 2, Skin Sensitization 1
2.2 Label elements

Labelling according to paragraph (f) 1910.1200; OSHA 29 CFR

Hazard pictures

Signal word

DANGER

Hazard statements

- May form combustible dust concentrations in air
- H302/H332 acute toxicity oral and inhalative
- H315 Causes skin irritation
- H317 May cause an allergic skin reaction
- H320 Causes eye irritation
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
- H335 May cause respiratory irritation
- H350 May cause cancer (inhalation)
- H373 Causes damage to organs through prolonged or repeated exposure (inhalation)
- H400 very toxic to aquatic life
- H410 very toxic to aquatic life with long lasting effects

Precautionary statements

- P202 Do not handle until all safety precautions have been read and understood
- P210 Keep away from heat/sparks/open flames/hot surfaces – no smoking
- P260 Do not breathe dust
- P271 Use only outdoors or in a well-ventilated area
- P280 Wear protective gloves/protective clothing/eye protection
- P302+P352+P305+P351+P338 On contact: Wash thoroughly with water
- P308+P337+P314+P340+ P264 If exposed or concerned: Get medical advice/attention if you feel unwell, move to fresh air

2.3 Other hazards

Results of PBT and vPvB assessment

- PBT Not applicable
- vPvB Not applicable

OSHA HCS 2012

- This product is not considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard in the form in which it is shipped, but may become hazardous by wood dust generating downstream activities (e.g. grinding, sanding, cutting or pulverizing).

NFPA

- Health=1, Flammability=1, Reactivity=0, Special Information=None

HMIS

- Health=1*, Flammability=1, Reactivity=0, PFE=E
- *Chronic Health Hazard
Section 3: Composition/information on ingredients

3.2 Chemical characterization: Mixtures (article)

Description

The products are composed of wood and cured resins (polymer) with the addition of permethrin. See Section 8 for exposure limits discussion.

*Wood contains trace amounts of various chemicals present in the environment, which are absorbed by trees through natural growth. A comprehensive listing of species is available upon request.

Section 4: First aid measures

4.1 Description of first aid measures

General information

No special measures required regarding the product in the form it is shipped. Downstream activities like cutting, sawing or grinding can generate dust. To avoid health hazards while these downstream activities, take note of the following measures:

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin

Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. After contact with the molten product, cool rapidly with cold water.

Eye

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

Rinse mouth thoroughly with water. Get medical attention if you feel unwell and contact a poison control center or medical professional.

4.2 Most important symptoms and effects, both acute and delayed

Refer to Section 11 – Toxicological Information

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available

Section 5: Firefighting measures

5.1 Extinguishing media

Use firefighting measures that suit the environment

Water

Fire-extinguishing powder

Carbon dioxide

Foam

5.2 Special hazards arising from the substance or mixture

OSB is a Class A combustible material. If involved in a fire, product will burn.

OSB is not an explosion hazard. Sawing, sanding, or machining OSB can result in the by-product wood dust. Wood dust may present a strong to severe explosion hazard if a dust cloud contacts an ignition source.

Airborne concentrations of 15 grams per cubic meter are often used as the lower explosive limit (LEL) for wood dusts.

OSHA interprets the explosive level as having no visibility within five feet or less.

In case of fire, the following gases can be released:

Carbon dioxide (CO₂), Carbon monoxide (CO), Oxides of Nitrogen and other hazardous gases and particles
5.3 Advice for firefighters
Protective equipment
Mouth respiratory protective device
Additional information
Prevent formation of dust
Dispose of fire debris and contaminated firefighting water in accordance with official regulations.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Personal Precautions
Do not breathe dust.
Emergency Procedures
No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended.

6.2 Environment precautions
No special measures required

6.3 Methods and material for containment and cleaning up
Not applicable for product in purchased form. Dust generated from sawing, sanding, drilling or routing this product may be vacuumed or shoveled for recovery or disposal. Wood dust clean-up and disposal activities should be accomplished in a manner to minimize airborne dust.
Dispose of the material collected according to regulations

6.4 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

Section 7: Handling and storage

7.1 Precautions for safe handling
Use good safety and industrial hygiene practices. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Wear a respiratory mask if using hand tools without a dust extraction device. Observe all liability insurance association regulations for commercial processing operations (e.g. safety goggles).
Information on protection against explosions and fires
Avoid formation of dust

7.2 Conditions for safe storage, including any incompatibilities
Storage
No special precautions for handling product. Use good safety and industrial hygiene practices. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.
Keep away from ignition sources

7.3 Specific end use(s)
No further relevant information available

Section 8: Exposure controls/personal protection

8.1 Control parameters
Wood dust needs to be controlled while cutting, sawing, drilling or other dust generating processes are performed.
8.2 Exposure controls

<table>
<thead>
<tr>
<th></th>
<th>Result</th>
<th>ACGIH 2007</th>
<th>NIOSH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wood dust</td>
<td>TWAs</td>
<td>1mg/m³ TWA</td>
<td>1mg/m³ TWA</td>
<td>15mg/m³, total</td>
</tr>
<tr>
<td></td>
<td></td>
<td>As Wood dust, all soft and hard woods</td>
<td>As Wood dust, all soft and hard woods</td>
<td>dust (5mg/m³, respirable fraction)</td>
</tr>
<tr>
<td>Formaldehyde (50-00-0)</td>
<td>TWAs</td>
<td>0.3ppm TLV</td>
<td>0.016ppm TWA, 0.1ppm Ceiling (15 minutes)</td>
<td>0.75ppm TWA, 2ppm STEL, 0.5ppm action level</td>
</tr>
<tr>
<td>Permethrin (52645-53-1)</td>
<td>TWAs</td>
<td>5mg/m³</td>
<td>5mg/m³</td>
<td>5mg/m³ (PEL and TWA)</td>
</tr>
</tbody>
</table>

Engineering measures/ controls

Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values. Due to the explosive potential of wood dust when suspended in air, precautions should be taken during sanding, sawing or machining of wood products to prevent sparks or other ignition sources in ventilation equipment. Use of totally enclosed motors is recommended.

Personal Protective Equipment Pictograms

Respiratory

Use of a NIOSH/MSHA approved dust respirator is recommended where airborne dust levels exceed appropriate PELs and TLVs.

Eye/Face

Wear safety glasses.

Hands

Wear protective gloves – Rubberized cloth, canvas or leather gloves.

Skin/Body

Wear long sleeves and/or protective coveralls.

General Industrial Hygiene Considerations

Practice good housekeeping and avoid creating/breathing dust. Do not allow dust to collect. Maintain, clean, and fit test respirators l accordance with OSHA regulations.

Environmental Exposure Controls

No data available

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties (EGGER OSB 3)

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Solid</th>
<th>Evaporation rate</th>
<th>Not relevant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Yellow to brown</td>
<td>Partition coefficient</td>
<td>Not relevant</td>
</tr>
<tr>
<td>Flammability</td>
<td>D, d0, s2 (EN 13986)</td>
<td>Autoignition</td>
<td>No data available</td>
</tr>
<tr>
<td>Odor</td>
<td>No distinctive odor</td>
<td>Decomposition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not relevant</td>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not relevant</td>
<td>Burning time</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>No data available</td>
<td>Density</td>
<td>&gt;= 600kg/m³</td>
</tr>
<tr>
<td>pH</td>
<td>Not relevant</td>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not relevant</td>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>
Melting point | Not relevant
Freezing Point | Not relevant
Solubility | Not soluble in water

Flash point | Not relevant
Boiling Point | Not relevant

9.2 Other information
No further relevant information available.

Section 10: Stability and reactivity

10.1 Reactivity
The product is not reactive under normal conditions of use, storage and transport.

10.2 Chemical stability
Stable under recommended storage conditions
Conditions to be avoided: No decomposition if used according to specifications

10.3 Possibility of hazardous reactions
No dangerous reactions known

10.4 Conditions to avoid
Exposure to water, ignition source, high relative humidity and high temperature

10.5 Incompatible materials
Incompatible Materials: acids(strong), Oxidizers(strong)

10.6 Hazardous decomposition products
Hazardous decomposition may occur thermal and/or thermal oxidative decomposition can produce irritating and toxic fumes and gases.

Section 11: Toxicological information

11.1 Information on toxicological effects

Other Material | Not applicable for product in purchased from. Individual component information is provided below if available

Components
Formaldehyde | 50-00-0 Acute Toxicity: Ingestion/Oral-Rat LD50 >200mg/kg; Inhalation-Rat LD50 0.578mg/l/4h;

GHS Properties | Classification
Acute toxicity | OSHA HCS 2012 – Acute Toxicity – Data lacking (Oral, dermal, inhalation)
Aspiration hazard | OSHA HCS 2012 – Data lacking
Carcinogenicity | OSHA HCS 2012 -- Carcinogenicity 1A
Germ Cell Mutagenicity | OSHA HCS 2012 – Data lacking
Skin corrosion/Irritation | OSHA HCS 2012 – Skin irritation 2
Skin sensitization | OSHA HCS 2012 – Skin Sensitizer 1
STOT-RE | OSHA HCS 2012 – Specific target Organ Toxicity Repeated Exposure 2
STOT-SE | OSHA HCS 2012 – Specific target Organ Toxicity Single Exposure 3: respiratory Tract Irritation
Toxicity for Reproduction | OSHA HCS 2012 – Data lacking
Respiratory sensitization | OSHA HCS 2012 – Respiratory Sensitizer 1
Serious eye damage/Irritation | OSHA HCS 2012 – Eye Mild Irritation 2B

Target Organs | Skin/dermal. Lungs, Respiratory System
Route(s) of entry/exposure | Inhalation, Skin, eye
Medical Conditions | Dusts may aggravate asthma or other respiratory disorders.
Potential Health Effects

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs include:

**Inhalation**
- **Acute (Immediate)**: May cause respiratory irritation
- **Chronic (Delayed)**: Repeated and prolonged exposure may cause cancer. Repeated and prolonged exposure may cause sensitization of the respiratory system.

**Skin**
- **Acute (Immediate)**: May cause irritation
- **Chronic (Delayed)**: Repeated and prolonged exposure may cause sensitization

**Eye**
- **Acute (Immediate)**: May cause irritation
- **Chronic (Delayed)**: No data available

**Ingestion**
- **Acute (Immediate)**: Under normal conditions of use, no health effects are expected.
- **Chronic (Delayed)**: Under normal conditions of use, no health effects are expected.

**Carcinogenic Effects**

<table>
<thead>
<tr>
<th>CAS</th>
<th>OSHA</th>
<th>IARC</th>
<th>NTP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wood dust as Wood dust, all soft and hard woods</td>
<td>Not Available</td>
<td>Not Listed</td>
<td>Group 1-Carcinogenic</td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>50-00-0</td>
<td>Specifically Regulated</td>
<td>Group 1 – Carcinogenic</td>
</tr>
</tbody>
</table>

**Section 12: Ecological information**

**12.1 Toxicity**
Formaldehyde: EC50 5.8mg/l/48h (Daphnia magna)
Not applicable for OSB

**12.2 Persistence and degradability**
No further relevant information available

**12.3 Bioaccumulative potential**
Formaldehyde: log Pow 0.35
Not applicable for OSB
12.4 Mobility in soil
No further relevant information available
General notes
Generally not hazardous for water

12.5 Results of PBT and vPvB assessment
PBT
Not applicable
vPvB
Not applicable

12.6 Other adverse effects
No further relevant information available

Section 13: Disposal considerations
13.1 Waste treatment methods
Recommendation
Disposal according to local regulations
Uncleaned packaging
Recommendations
Dispose of packaging according to regulations on the disposal of packaging

Section 14: Transport information
14.1 UN-number
ADR, ADN, IMDG, IATA
Void

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

14.3 Transport hazard class(es)
ASR, ADN, IMDG, IATA class
Void

14.4 Packing group
ADR, IMDG, IATA
Void

14.5 Environmental hazards
Not applicable

14.6 Special precautions for user
Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable

UN “Model Regulation”
void
Section 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications

<table>
<thead>
<tr>
<th>Component</th>
<th>Acute, Chronic</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Inventory</th>
<th>CAS</th>
<th>Canada DSL</th>
<th>TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSB</td>
<td>Not applicable</td>
<td>Not listed. All components are on the Canada DSL or are excluded from listing</td>
<td>Not listed. All components are on the TSCA inventory or are excluded from listing</td>
</tr>
</tbody>
</table>

Canada – WHMIS – Classifications of Substances

| OSB and ingredients (unless listed below) | N/A | Not listed or below de minims reporting quantities |
| Formaldehyde | 50-00-0 | B1, D1A, D2A, D2B |

Canada – WHMIS – Ingredient Disclosure List

| OSB and ingredients (unless listed below) | N/A | Not listed or below de minims reporting quantities |
| Formaldehyde | 50-00-0 | 0.1% (concentration in product is below de Minimis) |

U.S.-OSHA – Process Safety Management – Highly hazardous Chemicals

| OSB and ingredients (unless listed below) | N/A | Not listed |
| Formaldehyde | 50-00-0 | 1000lb TQ |

Environment

U.S. – CERCLA – Hazardous Substances

| OSB and ingredients (unless listed below) | N/A | Not listed |
| Formaldehyde | 50-00-0 | 100lb final RQ |

U.S. – CERCLA/SARA – Section 304 EHS RQ

| OSB and ingredients (unless listed below) | N/A | Not listed |
| Formaldehyde | 50-00-0 | 100lb EPCRA RQ |

U.S. – EPCRA – Section 302 (EHS) TPQ

| OSB and ingredients (unless listed below) | N/A | Not listed |
| Formaldehyde | 50-00-0 | 500lb TPQ |

U.S. – EPCRA – Section 313 – Toxic Chemicals

| OSB and ingredients (unless listed below) | N/A | Not listed |
| Formaldehyde | 50-00-0 | 0.1% de Minimis concentration (Concentration in product is below de Minimis) |

United States – California

Environment

U.S. – California – Proposition 65 – Carcinogens List

| OSB and ingredients (unless listed below) | N/A | Not listed |
| Formaldehyde (gas) | 50-00-0 | Carcinogen, NSRL 40µg/day |
| Wood dust as Wood dust, all soft and hard woods permethrin | N/A | Carcinogen |

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out
Section 16: Other information

This information is based on our present knowledge and comes from sources believed to be accurate or otherwise technically correct. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Initial release: 19.08.2020
Last revision date: 19.08.2020

Abbreviations and acronyms

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADN</td>
<td>European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways</td>
</tr>
<tr>
<td>ADR</td>
<td>European Agreement concerning the International Carriage of Dangerous Goods by Road</td>
</tr>
<tr>
<td>ACGIH</td>
<td>Association Advancing Occupational and Environmental Health</td>
</tr>
<tr>
<td>CAS</td>
<td>Chemical Abstracts Service (division of the American Chemical Society)</td>
</tr>
<tr>
<td>CERCLA</td>
<td>Comprehensive Environmental Response, Compensation, and Liability Act</td>
</tr>
<tr>
<td>CFR</td>
<td>Code of Federal Regulations</td>
</tr>
<tr>
<td>DSL</td>
<td>Domestic substances list</td>
</tr>
<tr>
<td>EHS</td>
<td>Extreme Hazardous Substances</td>
</tr>
<tr>
<td>GHS</td>
<td>Globally Harmonized System of Classification and Labelling of Chemicals</td>
</tr>
<tr>
<td>HCS</td>
<td>Hazard Communication Standard</td>
</tr>
<tr>
<td>IATA</td>
<td>International Air Transport Association</td>
</tr>
<tr>
<td>IBC</td>
<td>Intermediate Bulk Container</td>
</tr>
<tr>
<td>IMDG</td>
<td>International Maritime Code for Dangerous Goods</td>
</tr>
<tr>
<td>MSHA</td>
<td>Mine Safety and Health Administration</td>
</tr>
<tr>
<td>NFPA</td>
<td>National Fire Protection Association</td>
</tr>
<tr>
<td>NIOSH</td>
<td>National Institute for Occupational Safety and Health</td>
</tr>
<tr>
<td>NPCA</td>
<td>National Paint Coating Association</td>
</tr>
<tr>
<td>NSRL</td>
<td>No Significance Risk Level</td>
</tr>
<tr>
<td>OSHA</td>
<td>Occupational Safety and Health Administration</td>
</tr>
<tr>
<td>PEL</td>
<td>Personal Exposure Limit</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent, Bioaccumulative and Toxic</td>
</tr>
<tr>
<td>RQ</td>
<td>Reportable Quantities</td>
</tr>
<tr>
<td>SARA</td>
<td>Superfund Amendments and Reauthorization Act</td>
</tr>
<tr>
<td>STEL</td>
<td>Short-term exposure limit</td>
</tr>
<tr>
<td>STOT-RE</td>
<td>Specific target organ toxicity – repeated exposure</td>
</tr>
<tr>
<td>STOT SE</td>
<td>Specific target organ toxicity – single exposure</td>
</tr>
<tr>
<td>TLV</td>
<td>Threshold limit value</td>
</tr>
<tr>
<td>TPQ</td>
<td>Threshold Planning Quantity</td>
</tr>
<tr>
<td>TSCA</td>
<td>Toxic Substances Control Act</td>
</tr>
<tr>
<td>TWA</td>
<td>Time-weighted average</td>
</tr>
<tr>
<td>UN</td>
<td>United Nations</td>
</tr>
<tr>
<td>vPvB</td>
<td>Very Persistent and very Bioaccumulative</td>
</tr>
<tr>
<td>WHMIS</td>
<td>Workplace Hazardous Materials Information System</td>
</tr>
</tbody>
</table>