Code	SDS_MDF_en_UK
Version	1
Release Date	16/12/2022

Safety Data Sheet

EGGER MDF

According to Regulation (EC) No 1907/2008 (REACH) as retained in UK law

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 MDF, EGGER MB MDF Medium Density Fiberboards
Product description	Medium density fibreboard

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended use	Decorative use, furniture, construction

1.3 Details of the supplier of the Safety Data Sheet

Manufacturer/Supplier/Importer	Fritz EGGER GmbH & Co. OG (group)
Regional Support Centre	EGGER (UK) Limited Anick Grange Road Hexham, Northumberland NE46 4JS
Additional Information	environment@egger.com

1.4 Emergency phone number

1-800-424-9300 / +1 703-527-3887 (Chemtrec)

Section 2: Hazards identification

2.1 Classification of the substance or mixture

COSHH	This product is generally an article and not hazardous, but is regulated under COSHH for the release of wood dust during downstream activities, like grinding, sanding, cutting and sawing.

2.2 Label elements

Hazard pictograms	
Signal word	void
Hazard statements	For downstream activities only - wood dust: May form combustible dust concentrations in air 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)
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
COSHH	This product is not considered hazardous under COSHH 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).

Section 3: Composition/information on ingredients

3.2 Chemical characterization: Mixtures (article)

Description	The products are composed of wood and cured amino resins (polymer). 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

Particleboards/MDF are a Class A combustible material. If involved in a fire, product will burn.
Particleboards/MDF are not an explosion hazard. Sawing, sanding, or machining particleboards/MDF 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.
In case of fire, the following gases can be released:
Carbon dioxide (CO_2), 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 of 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

	Result	COSHH	COSHH
Wood dust	WEL	3mg/m³	5mg/m³
		Hardwood dust long term	Softwood dust long term
		exposure limit	exposure limit
Formaldehyde	WEL	2,5mg/m³ long term	
(50-00-0)		exposure limit	
		2,5mg/m³short term exposure limit	

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 COSHH 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 I 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

Physical State	Yellow to brown	Evaporation rate	Not relevant
Color	D, do, s2 (EN13986)	Partitions coefficient	No data available
Flammability	No distinctive odor	Autoignition	No data available
Odor	Not relevant	Decomposition temperature	No data available
Vapor Pressure	Not relevant	Viscosity	No data available
Odor threshold	No data available	Burning time	approx. 700kg/m³
Vapor density	Not relevant	Density	No data available
pH	Not relevant	Oxidizing properties	No data available
Relative density	Not relevant	Explosive limits	Not relevant
Melting point	Not relevant	Flash point	Not relevant
Freezing point	Not soluble in water	Boiling point	
Solubility	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

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

Carcinogenic Effects	Wood dust is listed by NTP known to be a Human Carcinogen(10th Report), IARC Monographs: Wood dust, group 1 – IARC Group 1: Carcinogenic to humans; sufficient evidence of carcinogenicity. This classification is primarily baes on studies showing an association between occupational exposure to wood dust and adenocarcinoma of the nasal cavities and paranasal sinuses. IARC di d not find sufficient evidence of an association between occupational exposure to wood dust and cancers of the hypopharynx, oropharynx, lymphatic and hematopoietic systems, lungs, stomach, colon or rectum.

	CAS	OSHA	IARC	NTP
Wood dust as Wood dust, all soft and hard woods	Not Available	Not listed	Group 1 – Carcinogenic	Known Human Carcinogen
Formaldehyde	50-00-0	Specifically Regulated Carcinogen	Group 1 – Carcinogenic	Known Human Carcinogen

Section 12: Ecological information

12.1 Toxicity

Formaldehyde: EC50 5.8mg/l/48h (Daphnia magna)
Not applicable for particleboard/MDF

12.2 Persistence and degradability

No further relevant information available

12.3 Bioaccumulative potential

Formaldehyde: log POw: 0.35

Not applicable for particleboard/MDF

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
Other adverse effects	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

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	12-16-2022
Last Revision Date	12-16-2022