

Non-hazardous, Non-Dangerous Goods

1. IDENTIFICATION

Product name:	MDFMR EO; MDFMR; MDF EO
Recommended use:	Construction of furniture and cabinets and/or general purpose building boards
Supplier:	Wilsonart Australia Pty Ltd
Street address:	350 Hume Highway, Somerton, Victoria 3062
Telephone:	1300 910 957
Emergency phone number:	1300 910 957

2. HAZARD(S) IDENTIFICATION

This material as supplied is non-hazardous according to the criteria of Safe Work Australia.

Signal Word

None

Hazard Classifications

None

Hazard Statements

None

Prevention Precautionary Statements

None

Response Precautionary Statements

None

Storage Precautionary Statement

None

Disposal Precautionary Statement

None

Poison Schedule: Not Applicable

Hazards associated only with dusts of the product:

If this processed occurs that generates a dust of the product, for example by cutting or grinding, then the following hazard statements may apply to the dust with respect to skin contact and to inhalation:

Skin sensitiser, Category 1

Respiratory sensitiser, Category 1

The following corresponding hazards statements would apply to any dust of the product that might be generated:

H317 (May cause an allergic skin reaction)

H335 (May cause respiratory irritation)

DANGEROUS GOODS CLASSIFICATION

This product is not classified as dangerous goods under the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

Dangerous Goods Class: None

3. COMPOSITION AND INFORMATION ON INGREDIENTS

CHEMICAL ENTITY	CAS No.	PROPORTION (% w/w)
Wood particles, bonded	-	> 60%
Urea, polymer with formaldehyde	9011-05-6	< 10%
Urea, polymer with formaldehyde and 1,3,5-triazine-2,4,6-triamine	25036-13-9	10-30%
Paraffin wax	8002-74-2	< 2
Formaldehyde	50-00-0	< 0.05%
Non-hazardous ingredients other than above:	-	Balance to 100%

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: In the event of significant inhalation of the dust of this product following operations that generate dusts, remove victim from exposure - avoid becoming a casualty. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if respiratory symptoms are experienced.

Skin Contact: This product is not a skin irritant. However, repeated exposure to dust of the product may result in If swelling, redness, blistering, irritation or an allergic reaction occur seek medical assistance.

Eye contact: In the event of significant eye contact with the dust of this product following operations that generate dusts, hold eyelids apart and flush the eyes continuously with running water until traces of dust are removed. Seek medical advice if eye irritation persists.

Ingestion: Ingestion would not normally be considered to be a hazard unless in the form of dust. In the event of ingestion, rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water and seek medical advice.

PPE for First Aiders: Wear gloves and safety glasses and a respirator with a P1 particle filter if the product is extensively dispersed in the form of dust at the location of the patient. If possible use with local exhaust ventilation..

Notes to physician: Treat symptomatically.

5. FIREFIGHTING MEASURES

Hazchem Code: not applicable.

Suitable extinguishing media: This product contains components that are combustible. If material is involved in a fire use water spray or fog, foam, or dry chemical powder.

Specific hazards: If product is dispersed as a fine dust at high concentration, it may form an explosive mixture with air. Do NOT smoke when the product is dispersed in air as a dust. Avoid conditions that may result in dust of the product mixing with oxidising agents, and this may result in a fire.

Fire fighting further advice: The dust of the product may cause respiratory irritation.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS

If dust of the product is released, wear protective equipment to prevent skin and eye contamination. Avoid inhalation of dust while cleaning up the spill. Collect and seal in properly labelled containers or drums for disposal.

LARGE SPILLS

If safe to do so, shut off all possible sources of ignition. Clear area of all unprotected personnel. Wear protective equipment to prevent skin and eye contamination and the inhalation of dust. Work up-wind or use local exhaust ventilation. Collect and seal in properly labelled containers or drums for disposal. If contamination of waterways has occurred advise local emergency services.

7. HANDLING AND STORAGE

Handling: Avoid eye contact and prolonged skin contact. Avoid inhalation of dust.

Storage: Keep dry. No special storage conditions apply. Store away from incompatible materials described in Section 10.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

National occupational exposure limits applying to this product:

Exposure limit: Substance	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Formaldehyde	1	1.2	2	2.5	Carc. 1B
Paraffin wax (fume)	-	2	-	-	-
Wood dust (soft wood)	-	5	-	10	-

As published by Safe Work Australia.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

Biological Limit Values: As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

Engineering Measures: Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. If dust of the product is likely to be generated during handling, use with local exhaust ventilation or while wearing appropriate respirator.

Personal Protection Equipment:

Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by any risk assessment conducted.

For handling of small quantities of product, especially when no dust of the product has been created, no precautions apply.

For handling of significant quantities of the product, and when significant quantities of the dust have been generated, the following apply: wear safety shoes, overalls, gloves and safety glasses. In the presence of dust of the product, use with local exhaust ventilation. If inhalation risk exists (for example, when handling the substance in a poorly ventilated area) wear a mask that offers effective removal of particulate matter (a P1 particulate respirator is recommended). Available information suggests that gloves made from leather are suitable. However, due to variations in glove construction and local conditions, the user should make a final

assessment. Always wash hands before smoking, eating, or drinking, ensuring that no visible trace of the product remains on the hands.

Hygiene measures: When the product is in the form of dust, keep away from food, drink and animal feedstuffs. When handling the dust, do not eat, drink or smoke. Prior to eating, drinking or smoking, ensure that no visible residues of the product remain on the skin or wash product off the skin. Avoid inhalation of dust..

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Solid particle board
Appearance/Colour:	Opaque
Odour:	Possible faint wood odour from newly manufactured board, or newly cut board.
Solubility:	Not soluble in water.
Density of product as supplied (g/mL):	0.60 to 0.80 g/mL
Relative Vapour Density (air=1):	N. App
Vapour Pressure (20°C):	N. Av.
Flash Point (°C, for 90% ethanol):	N. App.
Flammability Limits (%):	N. App.
Autoignition Temperature (°C):	> 220°C
Melting Point/Range (°C):	N. Av.
Boiling Point/Range (°C):	N. Av.
pH (roughly 20% suspension in water):	N. App.
Viscosity:	N. App.
Total VOC (g/Litre):	N. Av.

(Typical values only - consult specification sheet)
N. Av. = Not available, N. App. = Not applicable

10. STABILITY AND REACTIVITY

Chemical stability: This material is thermally stable when stored and used as directed.

Conditions to avoid: If the product is converted to a fine dust, then dispersion of the dust in air may produce an explosive dust atmosphere at very high dust concentrations.

Incompatible materials: None, but see "Hazardous reactions" below.

Hazardous decomposition products: Carbon monoxide and carbon dioxide and oxides of nitrogen.

Hazardous reactions: If the product is converted to a fine dust, then contact between the dust and an oxidising agent may lead to a fire.

11. TOXICOLOGICAL INFORMATION

No adverse health are effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise in the event that the product is modified to create a dust are shown below.

Acute Effects

Inhalation: Material in the dust form is not expected to be a respiratory irritant but may cause discomfort to the upper respiratory tract.

Skin contact: Material in the dust form is not expected to be a skin irritant.

Ingestion: Material in the dust form, is swallowed, may cause discomfort and abrasion.

Eye contact: Material in the dust form may cause discomfort if in eyes.

Acute toxicity

Inhalation: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): LC50 > 20.0 mg/L for vapours or LC50 > 5.0 mg/L for dust and mist or LC50 > 20,000 ppm for gas

Skin contact: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg bw

Ingestion: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg bw

Corrosion/Irritancy: Eye: this material has been classified as a non-hazardous. Skin: this material has been classified as not corrosive or irritating to skin.

Sensitisation: Inhalation: in the dust form, this material may be classifiable as a respiratory sensitiser. Skin: in the dust form, this material may be classifiable as a skin sensitiser.

Aspiration hazard: This material has been classified as non-hazardous.

Specific target organ toxicity (single exposure): This material has been classified as non-hazardous.

Chronic Toxicity

Mutagenicity: This material has been classified as non-hazardous.

Carcinogenicity: The IARC has classified "wood dust" as being a Group 1 carcinogen ("Known to have carcinogenic potential for humans"). However the product as supplied is not considered to be carcinogenic and the dust of this specific product has not specifically been allocated a carcinogenicity classification. In addition, formaldehyde, when may be released as a vapour when the product is converted to a dust form, is a Category 1B carcinogen. To minimise the carcinogenicity hazard of this product when converted to dust the occupational environment should be maintained below the exposure limits for formaldehyde and for "wood dust (soft wood)", as documented in Section 8 of this document. This should be done by the use of adequate PPE and by the use of local exhaust ventilation.

Reproductive toxicity (including via lactation): This material has been classified as non-hazardous.

Specific target organ toxicity (repeat exposure): This material has been classified as non-hazardous.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways as the product is a fertiliser and can encourage eutrophication of water courses.

Acute aquatic hazard: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L

Long-term aquatic hazard: This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log K_{ow} < 4.

Ecotoxicity: No information available.

Persistence and degradability: No information available.

Bioaccumulative potential: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If this product can't be re-used, dispose of in accordance with local, regional, national and international Regulations.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" (also called the ADG Code, currently version 7.7) and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

MARINE TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

AIR TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air. In the event that transport by air is proposed, the provisions of the IATA DG Regulations should be checked for the specified UN Number.

15. REGULATORY INFORMATION

This material is not subject to the following international agreements:

Montreal Protocol (Ozone depleting substances)
The Stockholm Convention (Persistent Organic Pollutants)
The Rotterdam Convention (Prior Informed Consent)
International Convention for the Prevention of Pollution from Ships (MARPOL)
Basel Convention (Hazardous Waste)

This material/constituent(s) is covered by the following requirements:

- All components of this product are listed on or exempt from the Australian Inventory of Industrial Chemicals (AIIC).

16. ANY OTHER RELEVANT INFORMATION

Reason for issue: First Issue

This Safety Data Sheet has been prepared by CETEC Pty Ltd on behalf of its client.

Safety Data Sheets should be reviewed every five years and more frequently if new information on the ingredients emerges. Please ensure that you have a current copy.

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.