MEDITE®
DEFINING THE STANDARD OF MDF

Safety Data Sheet

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

1.1 **PRODUCT IDENTIFIER**

Product Name: Medium Density Fiberboard

Synonyms, Trade Names: MEDITE FR CLEAR (Flame Retardant)

1.2 **Relevant identified uses of the product**
MEDITE FR CLEAR can be used in a diverse range of internal applications, i.e. furniture & cabinet making, joinery, flooring, toys & craft works, etc.

1.3 **Company Name:**

Medite Europe Ltd
Redmondstown
Clonmel
Co Tipperary
Tel. +353 (0) 52 6182300
Fax + 353 (0) 52 6121815

e-mail address of person responsible for this SDS : mark.hearne@mdfosb.com

Section 2 : Hazards identification

This product is regarded as a non-hazardous material

2.1 The machining of the panel product will generate wood dust particles, i.e. sawing, sanding, etc., and this wood dust should be contained through a combination of vacuum and extraction cleaning equipment.

Section 3 : Composition / Ingredients

3.1 **Chemical characterisation :** Mixed softwood, polymerised resin, paraffin wax, red dye, fire retardant additive (mixture of phosphate & nitrogen compounds) and moisture.

This product contains less than 1.0mg/100g free formaldehyde, using EN 120 test method, complying with the lower levels required by CARB phase 2 (CARB Phase 2 compliant <0.11ppm)

Hazardous Ingredients: None.

Section 4 : First aid measures

4.1 **Description of first aid measures**

Inhalation: During the machining of this product i.e. sawing, sanding, etc., wood dust is generated. Move the exposed person to fresh air and get medical attention if adverse health effects persist or are severe. In the case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 24 hours.

Ingestion: Wash out mouth with water. If material is swallowed and the exposed person is conscious, give small quantities of water to drink. Get medical attention if adverse health effects persist or are severe.

Eye contact: Immediately flush open eye(s) with tepid water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Skin contact: Wash contaminated skin with soap and water. Get medical attention if irritation occurs.

General: During the machining of this product i.e. sawing, sanding, etc., dust is generated. Should adverse effects occur following inhalation of, ingestion of or eye contact with this dust, move the victim to a safe area as soon as possible. If unconscious, place in recovery position and seek medical advice. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Maintain open airway. Loosen tight clothing such as collar, tie, belt or waistband. Allow the victim to rest in a well ventilated area.

Protection for first-aiders: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth to mouth resuscitation.

Section 5 : Firefighting measures

5.1 Extinguishing media

Suitable fire extinguishing agents: Water, Dry Powder, Carbon Dioxide (CO_2) & Foam.

Unsuitable fire extinguishing agents : None

5.2 Special hazards arising from the material

Hazards from the material: No specific hazard

Hazardous thermal decomposition products: Decomposition products may include the following: - Carbon Monoxide (CO), Carbon Dioxide (CO_2) and Nitrogenous gases may evolve during combustion.

5.3 Advice for firefighters

Special precautions for firefighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for firefighters: Fire-fighters should wear appropriate protective equipment including breathing apparatus equipment suitable for use in hazardous environments generated as a result of the thermal decomposition of the product.

Section 6 : Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Not applicable for the product in its solid sheet form

For emergency responders : Not applicable for the product in its solid sheet form

6.2 Environmental precautions : Not applicable for the product in its solid sheet form

6.3 Methods for containment and cleaning up: Not applicable for the product in its solid sheet form. The machining of this solid sheet form will generate wood dust particles, i.e. sawing, sanding, etc., and this wood dust should be collected through a combination of vacuum and extraction cleaning equipment. The waste material should be recovered or disposed of in a safe manner.

6.4 Reference to other sections:

See section 1 for emergency contact information
See section 8 for information on appropriate personal protection equipment

Section 7 : Handling and storage

7.1 The information in this section contains generic advice and guidance to assist employers develop safe practices and procedures that are based on their own specific risk assessments.

Precautions for safe handling: In solid sheet form the product may present a manual handling risk due to the physical dimensions and weight of the panel. Sound lifting practices and procedures, including the use of mechanical lifting equipment, should be adhered to at all times. The safe handling risk assessment should give full consideration to the wearing of safety footwear, gloves, helmet, face mask, etc.,

7.2 Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash their hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

7.3 Conditions for safe storage: Store the product in a dry, well-ventilated area away from open flame or other ignition sources.

Specific end use(s):
Recommendations: Not available
Industrial sector specific guidance: Not available

Section 8 : Exposure controls/personal protection

Occupational exposure limit value:

8.1

Product/Ingredient name	Exposure limit value
Softwood Dust	HSA – 2016 Code of practice for S H & W at Work Chemical Agents Regulations OELV-8hr: 5mg/m3 (Sen)

General recommended advice: Medical supervision of all employees who handle or come in contact with respiratory sensitisers is recommended. Personnel with a history of asthma-type conditions or bronchitis conditions should not work with respiratory sensitisers. The Occupational Exposure Limits listed do not apply to previously sensitised individuals.

Exposure controls

8.2 **Appropriate engineering controls:** Provide exhaust ventilation or other engineering controls to keep airborne concentrations of dust/vapour below their respective occupational exposure limits.

Individual protection measures

Hygiene measures: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash their hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

Eye protection: Appropriate safety eye wear, complying with an approved standard should be used when a risk assessment indicates this is necessary in order to reduce the exposure risk.

Hand protection; Appropriate gloves, complying with an approved standard should be used when a risk assessment indicated this is necessary in order to reduce the exposure risk.

Skin protection: Appropriate footwear, safety helmet, overalls, etc., complying with the approved standard for protective device/clothing should be used when a risk assessment indicated this is necessary in order to reduce the exposure risk.

Respiratory protection: The choice of the respiratory protection must take account of the known or anticipated exposure levels, the safe working limits of the selected respiratory protection device and work place risk assessments. The respiratory protection should comply with an approved standard and state the level of protection being offered. In case of inadequate ventilation wear respiratory protection.

Environmental protection: Emissions from work place exhaust/ventilation systems, vacuum cleaning systems or process equipment should be monitored to ensure they comply with the requirements of environmental protection legislation. Additional downstream scrubber, filtering or engineering modifications to the process equipment may be necessary to achieve these acceptable levels.

Section 9 : Physical and chemical properties

Physical and chemical properties

9.1

State : Solid panel form
Odour : None under ambient conditions
Dimensions: Dimensions will vary with product thickness, length and width. See MEDITE technical information sheet
Density (kg/m3): Density will vary according to product type. See MEDITE technical information sheet
Flash point : Not determined in solid panel state, Layer ignition temperature (5mm layer) for MEDITE MDF sander dust is 320°C
Inflammability: N/A in solid state
Explosive hazard: N/A in solid state

Section 10 : Stability and reactivity

Chemical stability: This product is chemically stable under normal conditions of use

10.1 **Conditions to avoid:** Store the product in a dry, well-ventilated area, away from flame or other sources of ignition.

10.2 **Materials to avoid:** Keep away from strong acids, bases and oxidising agents

10.3 **Hazardous thermal decomposition products:** Decomposition products may include the following: - Carbon Monoxide (CO), Carbon Dioxide (CO_2) and Nitrogenous gases may evolve during combustion.

10.4

Section 11 : Toxicological information

Acute and Chronic toxicity: This product is a safe material in panel form

11.1

Section 12 : Ecological information

Ecotoxicity: Not available

12.1 **Mobility**: Not determined

12.2 **Persistence and degradability:** Not determined

12.3 **Bioaccumulation potential:** Not determined

12.4 **Results of PBT assessment:** Not applicable

12.5

Section 13 : Disposal considerations

13.1 This product is not considered a hazardous material. The generation of waste material should be avoided or minimized wherever possible. All waste material should be collected and stored in a safe manner prior to disposal. The disposed of the waste material should be in accordance with National and EU standards & regulations

Section 14 : Transport information

14.1 **Transport information:** No labeling is required

Section 15 : Regulatory information

15.1 **Safety, health and environmental regulations/legislation**
EU Regulation (EC) No. 1907/2006 (REACH), Annex XIV – List of substances subject to authorisation, Substances of very high concern: None of the substances are listed

15.2 **Symbol(s):** None
R – Phase(s): No risk phases assigned to this product
S – Phase(s): No risk phases assigned to this product
The information contained herein does not constitute the users own risk assessment, as required by workplace health and safety legislation.

Section 16 : Other information

Conforms to Directive: EC directive 2001/58/EC
Conforms to EU Regulation: EU Regulation (EC) No. 1907/2006 (REACH),
Dated : 20th November 2014

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. The information contained herein is based on the present state of our knowledge and is intended to describe our product from the view of safety requirements. It should not therefore be construed as guaranteeing specific properties or their suitability for a particular application