

## Material Safety Data Sheet

### Phenolic – Medium Weave & Fine Weave.

#### Identification of the substance/mixture and of the company/undertaking.

**Product identifier:** Medium Weave & Fine Weave.

#### Relevant identified uses of the substance or mixture and uses advised against.

Used for non-metallic engineering components, for mechanical, electrical and other purposes.

#### Details of the supplier of the safety data sheet.

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#### Hazards Identification.

##### Classification of the substance or mixture.

This product is not classified as hazardous in accordance with EU regulations (Dangerous Preparations Directive 1999/45/EC or CLP Regulation (EC) No1272/2008).

##### Label elements.

No labelling is required in accordance with EU regulations (Dangerous Preparations Directive 1999/45/EC or CLP Regulation (EC) No 1272/2008).

##### Other hazards.

SOLID MATERIAL: Solid materials are not hazardous under normal conditions.

DUST: Dust generated during machining may cause skin and eye irritation. Fumes from thermal decomposition or burning may irritate eyes and respiratory system.

#### Composition.

##### Substances.

Not applicable. This product is not a substance under REACH.

##### Mixtures.

Cured phenolic resin and paper.

## **First Aid Measures.**

### **Description of first aid measures.**

EYE CONTACT: Rinse eye with plenty of water. Seek medical attention if irritation persists.

INHALATION: Inhalation of the product as supplied is not likely to occur. Dust may be generated if the product is machined. If significant inhalation of process generated dust or smoke occurs, remove the victim to fresh air and keep warm and comfortable. If breathing difficulties occur, consult a doctor.

SKIN CONTACT: Wash skin with plenty of soap and water.

INGESTION: Ingestion is not likely to occur. Dust may be generated if the product is machined. If significant ingestion of process generated dust occurs, rinse mouth. Consult a doctor if there are any symptoms of irritation of the mouth and throat or abdominal discomfort.

### **Most important symptoms and effects, both acute and delayed.**

Exposure to dust may cause mechanical irritation of the skin and eye, and of the mouth, nose and throat if inhaled or ingested.

### **Indication of any immediate medical attention and special treatments needed.**

Symptomatic treatment as required.

## **Firefighting Measures.**

### **Extinguishing media.**

No known adverse reactions with any extinguishing media. Use extinguisher appropriate to surrounding conditions.

### **Special hazards arising from the substance or mixture.**

Solid materials are difficult to ignite, but may burn in a fire. Dust from machining is more combustible than the solid and may become ignited from a small heat source. Constituents of smoke vary with local conditions, but may include carbon dioxide, carbon monoxide, phenol, formaldehyde and water plus a number of more complex substances resulting from partial combustion.

### **Advice for fire fighters.**

No special precautions required. Wear normal fire-fighting kit and breathing apparatus as appropriate.

## **Accidental Release Measures.**

### **Personal precautions, protective equipment and emergency procedures.**

Sheets may be smooth and slippery. Wear suitable skin and eye protection (see section 8).

### **Environmental precautions.**

Do not discharge into drains or rivers.

### **Methods and materials for containment and clearing up.**

Unused material should be collected and reused, or disposed of according to local and national regulations.

#### **References to other sections.**

See section 8 and section 13 for further advice on protective clothing and disposal.

#### **Handling and Storage.**

##### **Precautions for safe handling.**

Sheets may be smooth and slippery. Avoid accidental slippage of stacked material. Take care to avoid injury caused by sharp edges.

Dust from machining is more combustible than the solid and may become ignited from a small heat source. Use correct machining techniques which do not give rise to excessive heat, or burn the material. Incorrect machining techniques usually cause a marked change in the colour of the cut surface, accompanied by a strong burning odour. If these or any other signs of burning occur during machining, stop work immediately. Check to ensure that dust has not ignited and re-assess machining techniques before proceeding.

In dust extraction systems, finely divided organic dust is a potential source of combustion or explosion. Care must be taken in the design and servicing of ducted extraction systems to ensure that explosive limits are not exceeded. Explosion relief devices should be provided. In all cases, expert advice should be obtained.

Avoid inhalation of dust, and wear suitable protective clothing to avoid skin and eye contact. Wash thoroughly after handling and before eating or drinking.

##### **Conditions for safe storage, including any incompatibilities.**

Store in a cool dry place and avoid extremes of temperature.

##### **Specific end uses(s).**

Further information on dust is given in the following HSE publications:-EH 44 'Dust: General principles of protection'; EH 46 'Man-made mineral fibres'; MDHS 59 'Man-made mineral fibre'.

#### **Exposure Controls/Personal Protection.**

##### **Control parameters.**

Substance	Long-term exposure limit (8-hr TWA reference period)	Short-term exposure limit (15 minute reference period)	Source
Nuisance dust:			
inhalable dust	10 mg/m <sup>3</sup>	-	EH40,2011
respirable dust	4 mg/m <sup>3</sup>	-	-

**Exposure controls.**

No special precautions required for the unused product. If dust is likely to be generated as a result of processing, appropriate dust control measures should be applied, such as the use of local exhaust ventilation and the use of dust suppression techniques such as water sprays.

**Respiratory protection.**

No special precautions required when handling the unused product. If dust is likely to be generated during processing at levels in excess of the occupational exposure limit respiratory protective equipment fitted with a P2 filter or better may be required.

**Hand Protection.**

Dust may cause temporary irritation to the skin and mouth. Barrier creams are generally ineffective, as they can cause fibres to adhere. In cases of difficulty, other barrier methods may be necessary, such as the wearing of plastic or rubber gloves.

**Eye protection.**

Wear suitable eye protection, e.g. safety glasses with side shields or goggles if dust is likely to be generated.

**Skin protection.**

Overalls should be worn to protect the skin if dust is likely to be generated.

**Environmental exposure controls.**

No special precautions required.

**Physical and Chemical Properties.****Information on basic physical and chemical properties.**

<b>Appearance:</b>	Black or brown solid sheets. Components made from these.
<b>Odour:</b>	None.
<b>Odour threshold:</b>	Not applicable.
<b>pH:</b>	Not applicable.
<b>Melting point:</b>	Not applicable.
<b>Boiling point:</b>	Not applicable.
<b>Flashpoint:</b>	Not applicable.
<b>Evaporation rate:</b>	Not applicable.
<b>Flammability:</b>	Combustible.
<b>Upper/lower flammability limits:</b>	Not applicable.
<b>Vapour pressure:</b>	Not applicable.
<b>Vapour density :</b>	Not applicable.
<b>Relative density:</b>	1.2 to 1.4gm/cm <sup>3</sup>
<b>Solubility in water:</b>	Insoluble.
<b>Solubility in other solvents:</b>	Not applicable.
<b>Partition coefficient (log K<sub>ow</sub>)</b>	Not applicable.
<b>Auto-ignition temperature:</b>	No data.
<b>Decomposition temperature:</b>	No data.
<b>Viscosity:</b>	Not applicable.

**Explosive properties:** Not considered explosive.  
**Oxidising properties:** Not considered oxidising.

**Other information**

None

**Stability and Reactivity.**

**Reactivity.**

No reactive hazards known.

**Chemical stability.**

Stable under normal conditions of use.

**Possibility of hazardous reactions.**

No hazardous reactions expected.

**Conditions to avoid.**

Avoid extremes of temperature.

**Incompatible materials.**

Avoid contact with strong oxidizing agents, strong acids and strong bases.

**Hazardous decomposition products.**

In combustion emits toxic fumes of carbon dioxide, carbon monoxide, phenol, formaldehyde and water plus a number of complex substances resulting from partial combustion.

**Toxicological Information.**

**Information on toxicological effects.**

This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its major components.

<b>(a) Acute toxicity</b>	No effects are anticipated from the product as supplied.
<b>(b) Skin corrosion/irritation</b>	Dust from processing of the product may cause mechanical irritation of the skin.
<b>(c) Serious eye damage/irritation</b>	Dust from processing of the product may cause mechanical irritation of the eye.
<b>(d) Respiratory/skin sensitisation</b>	The product is not expected to cause sensitisation.
<b>(e) Germ cell mutagenicity</b>	Contains no known mutagens.
<b>(f) Carcinogenicity</b>	Contains no known carcinogens
<b>(g) Reproductive toxicity</b>	Contains no known reproductive toxins
<b>(h) STOT-single exposure</b>	Dust from processing of the product may cause mechanical irritation of the mouth and throat.
<b>(i) STOT-repeated exposure</b>	No effects are anticipated from the product as supplied.
<b>(j) Aspiration hazard</b>	Not applicable to this product

## **Ecological Information.**

### **Toxicity.**

No effects are anticipated from the product as supplied.

### **Persistence and degradability.**

This product is not expected to biodegrade in the environment.

### **Bio accumulative potential.**

None of the components are known to be bio accumulative.

### **Mobility in soil.**

Not expected to be mobile.

### **Results of PBT and vPvB assessment.**

None of the components are known to be PBT or vPvB.

### **Other adverse effects.**

None known.

## **Disposal Considerations.**

### **Waste treatment methods**

All waste products should be disposed of by normal waste disposal methods, including controlled incineration or burial at approved sites, in accordance with local regulations

## **Transport Information.**

Not regulated as hazardous for transport.

## **Regulatory Information.**

### **Safety, health and environmental regulations/legislation specific for the substance or mixture.**

All components are listed as existing substances in Europe.

### **Chemical Safety Assessment.**

A Chemical Safety Assessment has not been carried out for this product.

## **Other Information.**

**Special training:** No specialist training required with respect to chemical hazards.

### **List of Abbreviations used in this SDS:**

CAS	Chemical Abstracts Service.
CLP	Classification, Labelling and Packaging Regulation (EC) no 1272/2008.

DSD	Dangerous Substances Directive 67/548/EEC.
DPD	Dangerous Preparations Directive 1999/45/EC.
EC	European Community/Commission.
PBT	Persistent, Bio-accumulative and Toxic.
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) no 1907/2006
vPvB	Very Persistent, very Bio-accumulative.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.