

MATERIAL SAFETY DATA SHEET

Econo MB320

SECTION 1: IDENTIFICATION OF MATERIAL AND SUPPLIER

Product name Econo MB320
Other names Brown Coated Multi-Ply Matrix Board
Recommended use: Used for creating resin mould

Supplier name Astron Industries Pty Ltd
Address 8-10 Norwich Avenue
Thomastown, Victoria, 3074
Telephone no. (03) 9460 7577 (09:00 – 17:00 hours)

SECTION 2: HAZARDS IDENTIFICATION

NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS based on NOHSC (National Occupational Health & Safety Commission) :1008 (2004).

The plastic resin is not believed or known to be hazardous. When the material is fully cured or reacted, the plastic resin is insoluble, infusible and binds with the well-dispersed, embedded filling materials. Ordinary use of this product is unlikely to produce significant exposures to hazardous chemicals. *Please refer to supplier procedure for correct use of product.*

Acute Effects:

Inhalation May cause irritation to respiratory tract, mucous membranes, eyes from unreacted ingredients
Ingestion Not available
Eye Residual vapour may cause irritation
Skin Release of ingredients may cause irritation

Chronic Effects: Individuals with pulmonary and/or respiratory disease may be aggravated by long term exposure.

SECTION 3: COMPOSITION/INGREDIENT INFORMATION

There is no available information to identify the proportion of the ingredients that comprise the MB320. The plastic resin is not believed or known to be hazardous. When the material is fully cured or reacted, the plastic resin is insoluble, infusible and binds with the well-dispersed, embedded filling materials. Ordinary use of this product is unlikely to produce significant exposures to hazardous chemicals. However, data is provided for the raw materials comprising MB320. The time weighted average (TWA) data from National Occupational Health and Safety Commission (NOHSC) are presented. Where this data is not yet available the threshold limit value (TLV) from American Conference of Industrial Hygienists data are presented.

Name	CAS	NOHSC TWA	ACGIH TLV
Muscovite mica	12001-26-2	2.5mg/m ³	3mg/m ³
Silicon dioxide (crystalline silica)	14808-60-7	-	0.1mg/m ³
Phenol	108-95-2	1ppm (4mg/m ³)	5ppm, skin
Formaldehyde	50-00-0	1ppm (1.2mg/m ³)	0.3ppm
Ammonia	7664-41-7	25ppm (17mg/m ³)	25ppm
Phenolic resin	9003-35-4	-	-
Vinyl acetate	108-05-4	10ppm (35mg/m ³)	10ppm
Ethanol	64-17-5	-	1000ppm
Iron oxide	1332-37-2	-	5mg/m ³
Manganese oxide	1313-13-9	-	0.2mg/m ³
Aluminium oxide	1344-28-1	10mg/m ³	10mg/m ³

SECTION 4: FIRST AID MEASURES

Inhalation	If coughing, irritation or tightness of chest is experienced, remove to fresh air. If symptoms persist seek medical attention.
Ingestion	Seek medical assistance.
Eye	Immediately wash eyes with copious amounts of water, occasionally lifting upper and lower lids.
Skin	In case of skin contact, remove clothing and rinse skin thoroughly with water. Launder clothing before re-use.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media Water spray, foam, dry chemical, carbon dioxide

Hazards from combustion products Avoid dust accumulations or dust-laden atmospheres, and sources of ignition

Equipment for fire fighters Wear self contained breathing apparatus with full face piece operated in pressure demand/positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency procedures Product is solid paper like board, therefore unlikely to be accidentally released requiring clean up.

Methods and materials for containment and clean up Product is solid paper like board therefore unlikely to be accidentally released requiring clean up.

SECTION 7: HANDLING AND STORAGE

Safe handling	Minimize breathing of vapours and avoid prolonged or repeated contact with skin.
Safe storage	Store in cool, dry, well ventilated area away from sunlight and water.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

National exposure standards Not available

Biological limit values Not available

Engineering controls Provide sufficient mechanical and/or local exhaust ventilation to maintain exposure below TWA/TLV's of ingredients (see Section 3). In absence of proper environmental control use of approved respirators are to be used.

Personal protective equipment

Wear resistant gloves (consult safety equipment supplier)

Wear safety glasses or goggles

Work and hygiene practices Eye wash and shower facility should be available.

Do not permit dust to accumulate, and if cutting the matrix board do so in a manner that prevents dust generation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Flat coated paper - brown
Odour	Slightly phenolic
PH	Not applicable
Vapour pressure	Not applicable
Vapour density	Not applicable
Boiling point/range	Not applicable
Specific gravity	0.96 – 1.80 (water=1)

SECTION 10: STABILITY AND REACTIVITY

Chemical stability Stable

Conditions to avoid Store in cool (<35 °C), dry area away from sunlight and heat

Incompatible materials Product is sensitive to strong oxidizing agents

Hazardous reactions Hazardous polymerization should not occur

Hazardous decomposition products Vapours formed during polymerization may contain formaldehyde, phenol or ammonia

SECTION 11: TOXICOLOGICAL INFORMATION

Ingredient information:

Muscovite mica (crystalline silica) – is naturally occurring mineral that contains trace amounts of crystalline silica. It is an irritant to eyes. Excessive inhalation of crystalline silica dust may result in pneumoconiotic respiratory disease. Only a small amount of the crystalline silica present (<1%) has a particle size may be small enough to be considered respirable. IARC has classified crystalline silica as a probably carcinogen for humans (2A)

Phenolic resin – vapour may be irritating to skin, eyes, and respiratory tract

Phenol – is toxic. Poisoning may occur through skin absorption, vapour inhalation, or ingestion. Inhalation of the vapour may cause severe irritation to nose, throat and respiratory tract. It may cause liver, kidney and heart damage.

Formaldehyde – is an irritant to eyes, lungs and skin. It has been shown to cause cancer in laboratory animals and is listed as an IARC carcinogen.

Ecotoxicity Not available

Persistence and degradability Not available

Mobility Not available

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal

Sweep all loose material and collect in a container for waste disposal. Avoid generating dust. Material is to be disposed of by landfill or incineration in accordance with local, State/Territory and Federal regulations.

SECTION 14: TRANSPORT INFORMATION

UN number Not allocated (not subject to transport regulations)

UN proper shipping name Not allocated

Class and subsidiary risk Not allocated

Packing group Not allocated

Special precautions for user Not determined

Hazchem Code Not allocated

Not classified for DOT, IATA or IMDG

SECTION 15: REGULATORY INFORMATION

No Poisons Schedule number allocated to the substance

SECTION 16: OTHER INFORMATION

Date of Preparation January 2005

Date of Review June 2012

End of Material Safety Data Sheet