

## Safety Data Sheet

Material: Cured Thermoset Resin Composite Products

Version: GHS 1.4

Date of issue: 1/01/2016

### SECTION 1: Identification of substance/mixture and of the company/undertaking

#### 1.1 GHS Product identifier

Cured Thermoset Resin Composite Products. Fiberglass Reinforced

#### 1.2 Other means of identification

Fiberglass Reinforced Polymer Molded Parts.

MB1000-PC, MB1000-10, MB1000-15, MB1000-20, MB1000-25

MB2000-5, MB2000-8, MB2000-10, MB2000-15, MB2000-25, MB2000-30

MB3000-15, MB3000-25, MB3000-15NY, MB3000-20NY

MB4000, MB5500, MB6000-\*\*, MB9000-5, MB10000-45 (3-87-5)

#### 1.3 Recommended use of the chemical and restrictions on use

Fiberglass Reinforced Polymer Molded Parts

#### 1.4 Supplier's details

Mar-Bal Inc.  
16930 Munn Road  
Chagrin Fall, OH 44023 USA  
Phone: (440) 543-7526  
Fax: (440) 543-4374

Mar-Bal Inc.  
101 Commerce Dr.  
Cuba, MO 65453 USA  
Phone: (573) 885-4064  
Fax: (573) 885-4555

Mar-Bal Inc.  
5400 Reserve Way  
Dublin, VA 24084 USA  
Phone: (540) 674-5320  
Fax: (540) 674-5328

#### 1.5 Emergency phone number

Phone: (440) 543-7526 7:00am-6:00pm (Eastern Standard Time, UTC-05:00)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance of mixtures

These products are produced as a manufactured "articles" and do not represent a hazard under normal use as defined by 29CFR1910.1200(c). The manufactured article other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, *e.g.*, minute or trace amounts of a hazardous chemical, and does not pose a physical hazard or health risk to employees.

Caution: In the event this article is drilled, sanded, ground, or cut, dust may be generated. Exposure to the dust may irritate the skin, eyes, nose, throat or upper respiratory tract.

Skin corrosion/irritation, Category 2, H315  
Serious eye damage/eye irritation, Category 2B, H320  
STOT-Single exposure, Category 3, H335

#### 2.2 GHS label elements, including precautionary statements

Hazard Pictograms





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Signal Word	Warning
Hazard Statements	H315 – Causes skin irritation H320 – Causes eye irritation H335 – May cause respiratory irritation
Precautionary Statements	P261 – Avoid breathing dust. P264 – Wash hands and exposed skin thoroughly after handling. P271 – Use only outdoors or in a well-ventilated area. P280 – Wear protective gloves/protective clothing/eye protection/face protection. P321 – Specific treatment (see Section 4: First-aid measures). P302+P352 – If on skin: Wash with plenty of water. P304+P340 – If inhaled: Remove person to fresh air and keep comfortable for breathing. P305+P351+P360 – If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 – If skin irritation occurs: Get medical advice/attention. P337+P313 – If eye irritation persists: Get medical advice/attention. P403+P233 – Store in a well ventilated place. Keep container tightly closed. P501 – Dispose of contents/container in accordance with local, state and federal regulations.

## SECTION 3: Composition/information on ingredients

### Mixture

Material	CAS #	Weight %
Cured Thermoset Polymeric Mixture	NA	55-95
Fibrous Glass	65997-17-3	5-45

\* The exact percent will vary by product.

## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

General Information:	In case of accident or if you feel unwell seek medical advice (show label or SDS where possible)
After inhalation:	Allow victim to breathe fresh air. Allow the victim to rest.
After contact with skin:	Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
After contact with the eyes:	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.
After swallowing:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

### 4.2 Most important symptoms/effects, acute and delayed

After contact with skin:	Causes skin irritation
After contact with the eyes:	Causes eye irritation



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### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

If decomposition products are inhaled in a fire, symptoms may be delayed. The person exposed to fumes or decomposition products may need to be kept under medical surveillance.

## SECTION 5: Fire-fighting measures

### 5.1 Suitable extinguishing media

Suitable media: Dry powder. Carbon dioxide. Water spray. Product is not flammable; use extinguishing agent appropriate for surrounding fire.

Unsuitable media: Do not use a heavy water stream.

### 5.2 Specific hazards arising from the chemical

Combustion products: Carbon monoxide, carbon dioxide, smoke.

### 5.3 Special protective actions for fire-fighters

Fire-fighting: Use water spray or fog for cooling exposed containers. Use water to cool fire exposed containers.

Protection: Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

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

Molded articles do not represent a spill hazard. Avoid actions that cause dust to be generated from articles from becoming airborne. Avoid inhalation of dust. Wear appropriate protective equipment as described in Section 8.

### 6.2 Environmental precautions

Molded articles do not represent a spill hazard.

### 6.3 Methods and materials for containment and cleaning up

On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Safe handling: Wash hands and other exposed area with mild soap and water before eating, drinking or smoking and when leaving work. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

General hygiene: Wash hands and other exposed areas thoroughly after handling.

### 7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Long term sunlight exposure may affect product appearance. Avoid sources of ignition.



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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

	OSHA PEL	ACGIH TLV
Cured Thermoset Polymeric Mixture	TWA 15 mg/m <sup>3</sup> (total) TWA 5 mg/m <sup>3</sup> (resp)	TWA 10 mg/m <sup>3</sup> (inhalable) TWA 3 mg/m <sup>3</sup> (resp)
Fibrous glass (65997-17-3)	TWA 15 mg/m <sup>3</sup> (total) TWA 5 mg/m <sup>3</sup> (resp)	TWA 5 mg/m <sup>3</sup> (inhalable) TWA 1 fiber/cm <sup>3</sup> (respirable)

#### 8.2 Appropriate engineering controls

Use with adequate ventilation and utilize personal protection equipment (PPE) if exposure limits are exceeded.

#### 8.3 Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment:	Avoid all unnecessary exposure
Hand protection:	Wear Protective gloves.
Eye protection:	Safety glasses.
Skin and body protection:	Not typically required.
Respiratory protection:	Not typically required.
Other information:	Do not eat, drink or smoke during use.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Physical state:	Solid
Appearance:	Varies by product
Color:	Various colors
Odor:	No odor
Odor threshold:	No data available
pH:	No data available
Melting point:	No data available
Freezing point:	No data available
Boiling point:	No data available
Flash point:	No data available
Relative evaporation rate (butyl acetate=1)	No data available
Flammability (solid, gas):	No data available
Explosive limits:	No data available
Vapor pressure:	No data available
Relative vapor density at 20°C	No data available
Relative density:	1.7 – 2.2
Solubility:	No data available
Partition coefficient: n-octanol/water. Log Kow:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity	No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Not reactive under normal handling and storage conditions.

### 10.2 Chemical stability

Is stable under normal handling and storage conditions.

### 10.3 Possibility of hazardous reactions

None under normal handling and storage conditions.

### 10.4 Conditions to avoid

Direct sunlight. Storage at high temperatures or exposure to open flames.

### 10.5 Incompatible materials

Strong oxidizing and reducing agents and strong acids and alkalies.

### 10.6 Hazardous decomposition products

Carbon dioxide, carbon monoxide.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity:	Data is not available
Skin corrosion/irritation:	Dust may cause skin irritation.
Serious eye damage/irritation:	Dust contact may cause eye irritation.
Respiratory or skin sensitization:	Data is not available
Germ cell mutagenicity:	Data is not available
Carcinogenicity:	Data is not available
Reproductive toxicity:	Data is not available
STOT-Single exposure:	Dust may cause respiratory irritation
STOT-Repeated exposure	Data is not available
Aspiration hazard:	Data is not available

### 11.7 Information on the likely routes of exposure

Inhalation, Skin and eye contact.

## SECTION 12: Ecological information

### 12.1 Toxicity

No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available



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## SECTION 13: Disposal considerations

### 13.1 Disposal methods

Waste disposal recommendations: Dispose in a safe manner in accordance with local, state and federal regulations.

## SECTION 14: Transport information

United State Department of Transportation – Not regulated  
Canadian Transportation of Dangerous Goods – Not regulated  
ICAO/IATA – Not regulated  
IMO/IMDG – Not regulated

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations specific for the product in question

#### United States EPA Toxic Substances Control Act of 1976

All components of this material are listed on the US Toxic Substances Control Act (TSCA) inventory.

#### CERCLA, SARA Title III, EPCRA 302. Emergency Response Planning

Components not on reporting list.

#### CERCLA, SARA Title III, EPCRA 311/312. Hazard category

Acute health hazard, chronic health hazard.

#### CERCLA, SARA Title III, EPCRA 313. Toxic Chemical List.

Components not on reporting list.

#### OSHA

Hazardous by definition of Hazard Communication Standard (29CFR 1910.1200)

#### State of California Proposition 65

Components not on list of chemicals known to the State of California to cause cancer or reproductive toxicity.

#### Canadian Environmental Protection Act. Domestic Substances List

Components not on reporting list.

#### EEC inventory EINECS(European INventory of Existing Commercial Chemical Substances)

Components not on reporting list.

## SECTION 16: Other information

### HMIS Rating

Health:	1
Fire Hazard:	1

### NFPA

Health:	1
Fire:	1



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Reactivity:	0
Personal Protection:	B

Reactivity:	0
Special:	NA

### 16.1 Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of SDS