



Safety Data Sheet

Version: GHS 1.5

Date of issue:
1/27/26

Material: Bulk and extruded molding compounds, Epoxy Grades.

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

1.1 GHS Product identifier

Bulk, extruded and Sheet molding compounds, Epoxy grade

1.2 Other means of identification

MB500, AS8620, AS8630, AS8640, AS8650, AS8660

1.3 Recommended use of the chemical and restrictions on use

Thermoset molding compound for injection and compression molding.

1.4 Supplier's details

Mar-Bal Inc.
787 Renaissance Parkway
Painesville, OH 44077
Phone: (440)-709-1371
Fax: (440) 358-1519

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

Classification	Category	Hazard Statement	Hazard Text
Skin irritation	Cat. 3	H316	Causes mild skin irritation
Sensitization, Skin	Cat. 1	H317	May cause an allergic skin reaction
Eye irritation	Cat. 2B	H320	Causes eye irritation
Aquatic Tox. Acute	Cat. 3	H402	Harmful to aquatic Life

2.2 GHS label elements, including precautionary statements

Hazard Pictograms



Signal Word

Warning

Hazard Statements

H316: Causes mild skin irritation
H317: May cause an allergic skin reaction
H320: Causes eye irritation
H402: Harmful to aquatic life

Precautionary Statements

P261: Avoid breathing dust/fume/gas/mist/vapours/spray
P264: Wash thoroughly after handling



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Response

P272: Contaminated work clothing should not be allowed out of the workplace
P273: Avoid release to the environment
P280: Wear protective gloves/protective clothing/eye protection/face protection
P302+352: IF ON SKIN: Wash with soap and water
P333+313: If skin irritation or a rash occurs: Get medical advice/attention
P363: Wash contaminated clothing before reuse
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses if present and easy to do – continue rinsing
P337+313: If eye irritation persists get medical advice/attention

Disposal:

P501: Dispose of contents/container in accordance with
local/regional/national/international

SECTION 3: Composition/information on ingredients

Mixture

Material	CAS #	Weight %
Epoxy Resin Blend*		*
Fibrous Glass	65997-17-3	5-60
*Protected as trade secret		

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 inhalation: Inhalation of vapors may cause central nervous system (CNS) depression, respiratory tract irritation and coughing.

After contact with skin: Causes skin irritation

After contact with the eyes: Causes serious eye irritation

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



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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.

5.3 Special protective actions for fire-fighters

Fire-fighting: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. 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.

Non-emergency personnel: Evacuate unnecessary personnel

Emergency responders: Use personal protective equipment (PPE) to protect against inhalation of vapors. Wear gloves and long sleeves, avoid contact with skin. Use eye protection. See Section 8: Exposure controls/personal protection

6.2 Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Notify authorities if material enters sewers or public waters.

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. Provide good ventilation in process area to prevent formation of vapor. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.



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

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Keep only in original container in a cool, well ventilated place. Keep container closed when not in use. Store in a cool, dry place below 20°C (68°F).

Incompatible products: Strong bases, strong acids.

Incompatible materials: Sources of ignition. Direct sunlight. Sources of heat.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

	OSHA PEL	ACGIH TLV
Epoxy Resin Blend*	No exposure limits established	No exposure limits established

8.2 Appropriate engineering controls

Use with adequate ventilation and utilize personal protection equipment (PPE) if exposure limits are exceeded. Point source exhaust recommended to remove vapors evolved during use.

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: Fibrous, soft, tacky bulky mass or solid extrusion of various colors.
 Color: Various colors
 Odor: Odor of styrene or vinyl toluene. Characteristic. Aromatic.
 Odor threshold: 0.01 – 0.1 ppm
 pH: No data available
 Melting point: No data available
 Freezing point: No data available
 Boiling point: No data available
 Flash point: 264-268 °C
 Relative evaporation rate (butyl acetate=1) No data available
 Flammability (solid, gas): No data available
 Explosive limits: No data available



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Vapor pressure:	No data available	
Relative vapor density at 20°C	No data available	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	

9.2 Other information

VOC content: 0

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. High temperature will induce non-violent polymerization.

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

Epoxy Resin Blend*	
LD ₅₀ Oral rat	>15000 mg/kg
LD ₅₀ Dermal rat	>23000 mg/kg
LC ₅₀ Inhalation rat	N/A
LC ₅₀ Inhalation rat (ppm)	N/A

Skin corrosion/irritation:	May cause skin irritation.
Serious eye damage/irritation:	Contact may cause eye irritation.
Respiratory or skin sensitization:	Data is not available



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Material: Bulk and extruded molding compounds, Epoxy Grades.

Germ cell mutagenicity: Data is not available
Carcinogenicity: Data is not available

Reproductive toxicity: Data is not available
STOT-Single exposure: May cause drowsiness or dizziness. 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, Ingestion, Skin and eye contact.

11.15 Other information

Breathing excessive concentration of vapor may cause dizziness and /or drowsiness.

SECTION 12: Ecological information

12.1 Toxicity

No data available

Epoxy Resin Blend*

LC ₅₀ fish 1	estimated 1 to 10 mg/l
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12.2 Persistence and degradability

N/A

SECTION 13: Disposal considerations

13.1 Disposal methods

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

Ecology – waste materials: Avoid release to the environment

SECTION 14: Transport information

United State Department of Transportation – Not regulated
Canadian Transportation of Dangerous Goods – Not regulated
ICAO/IATA – No data available
IMO/IMDG – No data available



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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 on reporting list. Styrene. RQ 1,000 lbs.

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 on reporting list. Styrene.

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

Components on reporting list. Styrene.

SECTION 16: Other information

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