

SAFETY DATA SHEET: EBM.09

By Emamou



Date: 30 March 2021
Language: English

I. Product Identification

1. Product name: EBM.09 (PBS 100%, 2)

2. Composition:

Composition	CAS No.	Contents
Aliphatic polyester (PBS) / additives	-	100%
Total	-	100%

3. Recommended use: only for extrusion, sheet, coating and injection molding

II. Supplier Information

A recognised biodegradable plastic company based in Republique of Korea



III. Hazard Identification

Short-term harmful health effects are not expected from material vapor. There are no evidence of harmful effects from available information regarding skin or eye contact or irritation.

IV. First Aid Measures

- Inhalation: Leave the site to areas of fresh atmosphere.
- Skin contact: Wash skin with soap and water.
- Eye contact: Rinse eyes thoroughly with water for several minutes. Remove contact lenses if worn.
- Swallowing: if swallowing materials by accident, rinse mouth with water.

V. Firefighting Measures

- Firefighting guidance: Do not direct a solid stream of water or foam into burning molten material; this may cause spattering and spread the fire.
- Extinguish media: carbon dioxide, water, halogens, sand, alcohol-type foam, all-purpose-type foam.
- Flash point: currently not available
- Flammable limits in air: not determined.
- Auto ignition temperature: 375°C
- Unusual fire and explosion hazards: Static ignition might result from handling and use. Electrically bond and ground all containers and equipment before transfer or use of materials.
- Hazardous combustion products: Burning can produce carbon monoxide and/or carbon dioxide. Carbon monoxide is highly toxic if inhaled; carbon dioxide can act as asphyxiant if reach a concentration limit.

VI. Accidental Release Measures

If materials are released or spilled, these steps need to be considered: shut off ignition sources; cover materials with sweeping compound; collect materials for disposal; follow governmental regulations to handle accidents.

VII. Handling and storage

- PRECAUTIONS TO BE TAKEN IN HANDLING:

Electrically bond and ground all containers and equipments before transfer or use of materials

Protect materials from moisture and impurities.

Do not handle or empty materials in presence of flammable vapor. Keep container closed.

Use with adequate ventilation.

Wash thoroughly after handling.

- PRECAUTIONS TO BE TAKEN IN STORING:

Store container in a well dry/cool place.

Keep away from any source of ignition.



VIII. Exposure and Protection

- INHALATION (ACGIH):

TLV: not established.

Electrically bond and ground all containers, personnel and equipment before use

- VENTILATION:

Special, local ventilation is recommended in areas where containers are opened and their contents are discharged or in any other areas where dusting conditions may develop.

- PERSONAL PROTECTIVE EQUIPMENT:

EYE: Safety glasses or monogoggles

OTHER: Eye bath, safety shower

GLOVES: Protective gloves

RESPIRATORY PROTECTION: Dust respirator if dusting conditions exist.

IX. Physical and Chemical Properties

Physical state:	Solid
Appearance:	White pellet
Boiling point:	Not determined
Melting point:	100~130°C (variable according to material composition)
Density:	1.2~1.25g/cc
Vapor:	Not applicable
Water/oil dispersion coefficient:	Not applicable
Solubility:	Soluble in Halogen chemical like Chloroform.

X. Stability and reactivity

Reactivity:	Stable in ordinary temperature and normal pressure
Inhibitors / stabilizer::	Not applicable
Hazardous polymerization:	Not existent

XI. Toxicological Information

Toxicological data:	Oral rat LD50 more than 5,000 mg/kg
---------------------	-------------------------------------

XII. Ecological information

Biodegradability:	Biodegradable in soil, water, activated sludge or compost in the presence of microorganisms
Ecotoxicity:	OECD Guidelines for the Testing of Chemicals 202 (1984) EC50 (Median Effective Concentration): more than 20%



XIII. Disposal Information

WASTE DISPOSAL METHOD

Landfilling and Disposal where permitted under appropriate environmental and sustainability regulations at regional, national, and local level. Empty containers should be recycled or disposed of through an approved waste management facility.

XIV. Transport Information

Road transport:	USDOT. Not classified as a dangerous good under transport regulations
Sea transport:	IMDG. Not classified as a dangerous good under transport regulations
Air transport:	IATA/ICAO. Not classified as a dangerous good under transport regulations

XV. Regulatory Information

- Safety, health and environmental regulations/legislation specific for the substance or mixture: If other regulatory information applies that is not already provided elsewhere in this safety, data sheet, then it is described in this subsection.
- Chemical Safety Assessment: A safety data sheet for this product is legally not required and is provided by us just as a courtesy to our customers. Product is not classified as hazardous.

XVI. Other Information

To the best of our knowledge, the information contained herein is corrected and reliable as of the date of publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, and disposal. The information relates only to the specific material designated and not valid for such material used in combination with any other material or in any process. It is the customer's responsibility to inspect and test our products in order to assure the suitability of the materials for the customer's particular purpose. The supplier Ankor Bioplastics makes no warranties which extend beyond the description contained herein. Nothing herein shall constitute any implied warranty of merchantability or fitness for a particular purpose.

RECOMMENDED USES AND RESTRICTIONS: For industry use only.

When processing this resin after more than 1 year of storage, re-dry the materials before processing. The shelf life of the products should be less than 6 months for thin



parts (e.g. films and filaments), and less than 1 year for thick parts (e.g. sheet and injection).

Please contact us for products more than 1 year of shelf life.

Numerical values such as content and physical and chemical properties are not guaranteed values. The risk and hazard assessment were made based on the data, information available at this time. Since not all the data are covered, please handle the materials carefully.



Our services

- **Provide in-depth consultation** on how to process or use specific materials and products
- **Design and deliver products** to your specific requirements

Need assistance? Contact us at:



www.emamou.com



info@emamou.com



+31 618 048 468

