



RM Biotech Pvt Ltd

BM005 - Material Safety Data Sheet

1. Identification of the Product

Product name	BM005 – Extrusion Compound
Synonyms / Trade Names	BM005
Relevant identified uses of the substance or mixture and uses advised against	
Application	Additive
Recommended use	Biodegradable / Compostable finished goods
Uses advised against	None in Particular it is advised not to used/ consumed by human and animals as it is for industrial purpose only.

2. Details of the supplier of the safety data sheet

Manufacturer	RM Biotech Private Limited #63-P-26, 2 nd Sector, 2ndPhase, Bidadi Industrial Area, Bidadi, Raamanagara, Bengaluru, Karnataka 562109 +91 94498 13120 +91 99000 00632 contact@rmbiotec.com
Emergency telephone number	+91 99000 00632

3. Composition / information on ingredients

Mixtures Composition comments	None of the ingredients are required to be listed.
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4. Hazards identification

Main Hazards	None to our knowledge.
Symptoms related to use Inhalation	If heated to more than 350°C, the product may form vapors or fumes which may cause irritation so if respiratory tract and coughing sensation of shortness of breath.
Skin contact	In contact with hot material, may cause severe thermal burns.
Physical chemical hazards	Combustible if exposed to flames following product can create electrical charge, resulting sparks may ignite dust or cause an explosion in some

concentration ranges.

5. First – aid measures

Route of exposure

Inhalation

Dust and process vapor may be irritating to the nose, throat and respiratory tract. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen seek medical attention.

Skin contact

Exposure to splashing of hot product treats the affected part with cold water no attempt should be made to detach molten product adhering to the skin or to remove clothing attached with molten material, the injured body part would risk being pulled out, usually the layer detaches itself after few days.

Eye contact

in case of severe burns, seek medical advice immediately exposure to splashing of hot product treat the eyes with cold water seek immediately special attention at hospital or medical center fine dust may cause irritation to ocular mucous, in case of irritation cause by fine dust wash with copious volume of water, until the irritation disappears.

Ingestion

No adverse health effects expected from ingestion.

6. Fire – fighting measures

Technical measures

Stop the fire spread. Call the fire brigade immediately. Evacuate Non-essential personal protective clothing, goggles and self-contained breathing equipment should be made available for fireman.

Suitable Extinguishing media

Water, Water/Foam, carbon dioxide Dry Chemicals, synthetic foams, ABC fire extinguisher powder.

Unsuitable Extinguishing Media

No restrictions.

Not to be used

Do not use water jets in the early stage of extinguishing fire they could help to spread the flames.

7. Accidental Release measure

Personal Precaution

Glasses with side shields in dusty conditions. Gloves and protective garment when handling molten material.

Method for cleanup

Slippery material collect product for re-use or disposal. Sweep up immediately to eliminate slipping hazards. Notify applicable government authority if release is reportable or could adversely affect the environment.

8. Handling and storage

Precautions for safe handling:

Avoid contact with skin and eyes, inhalation of vapors and mists.
Do not eat or drink while working, recommended protective equipment.

Conditions for safe storage including any incompatibilities

Provide appropriate exhaust ventilation at places, Avoid dust formation in confined areas. avoid open flames, sparks, direct sunlight and other sources of ignition. Do not take internally. Wash

after handling. When using do not eat, do not breathe dust. Keep away from food, drink and feed.

Incompatible materials

None in particular.

Instructions as regards storage premises Adequately ventilated premises.

9. Exposure control and personal protection

Control parameters

No occupational exposure limit available.

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

Personal protection

Respiratory protection

Is recommended that a local exhaust system is placed above the Conversion equipment (a fume hood) and the working area must be properly ventilated.

Skin protection

If contact with hot material is possible, wear heat insulating and chemical proof gloves as well as a face shield.

Eye protection

Wear safety glasses, face shield or chemical goggles to avoid getting material in the eye during bulk handling. Eye wash fountains and safety showers should be easily accessible.

10. Physical and chemical properties

Appearance

Solid pellets and diameter is 2.5-3.5 mm.

Color

Natural.

Physical shape

Cylindrical/Spherical.

Density

1.3 – 1.4 g/cm³.

Melting range

150-180°C.

Flammability

No, But the product will burn if ignited.

Odor

Odorless.

Solubility in water

Insoluble.

11. Stability and reactivity

Stability

Stable under normal operating conditions.

Condition to be avoided

Avoid contact with strong oxidizing material and fluorine. Avoid Proximity or contact with flames or sparks. Do not heat temperatures exceeding 300°C.

Hazardous reactions

Dust may form an explosive mixture with air, ignited by sparks or source of ignition.

Avoid the preventive explosion

Avoid dust accumulation by use of filters in the pneumatic transport Equipment, thoroughly ventilate the working place. Use explosion proof electrical equipment, all conductive material must be

electrically earthed. In case of pneumatic alimentation, feed the extruders by aspiration, use nitrogen as carrier gas.

12. Toxicological information

Symptoms related to use

Inhalation Non-Toxic.

Skin contact NA.

Eye contact NA.

Rat, oral LD50 (mg/kg) NA.

13. Ecological information

Information of ecological effects Avoid losses to the environment whenever Possible.

Mobility There is the slow loss by evaporation.

Air Because of its physical-chemical properties, the product generally.

Soil Has soil mobility.

Water Because of its low solubility, the product should not be dangerous for Aquatic life.

Persistence and degradability Persistent in the environment.

Biodegradation This substance is slowly biodegradable.

Bio accumulative potential Potential bioaccumulation of the product in environment is very low.

Eco toxicity Non ecotoxic.

BOD 5. Below the detection limit.

14. Disposal considerations

Disposal According to local regulations, authorized disposal, as refuse for reprocessing do not dispose of by means of sinks, drains or into the immediate environment may be used as fuel in suitably designed installations. Incinerate with house hold refuse in a municipal solid waste incinerator plan.

15. Transportation information

ADR It is not classes as hazardous chemicals in ADR/RID Regulation Air Transportation.

(IATA/ICAO) It is not regulated as hazardous material or dangerous goods for transportation under IATA/ICAO regulations.

16. Regulatory information

Classification and labelling according to EU Directive

Classification /Symbols It is not under the scope of the Dangerous Chemicals Directive EC 88/379.

17. Other Information.

OSHA	Occupational Safety Healthy Administration.
PEL	Permissible Exposure Level.
ACGIH	American Conference of Government Industrial Hygienists, Inc.
TLV	Threshold limit value.

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