

MATERIAL SAFETY DATA SHEET (MSDS)

IG-1



1. Product and company identification

- Grade name : IG-1
- Company Details : TGP Bioplastic Pvt Ltd
506/2, Takari Road,
RIT campus, Near staff Quarters, Urun Islampur,
Sangli, Maharashtra, India-415409

2. Composition / information on ingredients

- Product Description: Blend of thermoplastic starch (TPS) & Compostable polyesters.
- Additional Information: No harmful additives.

3. Recommended use and restrictions on use

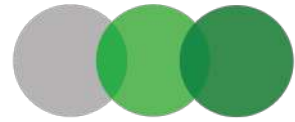
- Recommended use: High-performance, heavy-duty industrial applications, general-purpose consumer packaging, E-commerce packaging and Mailer Bags.
- Restriction on use: Use only for the recommended use.

4. Physical and chemical properties

- Form: Film
- Odour: Slight starchy odour
- Melting range: 140-150°C
- Decomposition temperature:>280°C
- Solubility in water: Insoluble

5. Hazards identification

- Inhalation: No evidence of harmful effects from available information.
- Skin absorption: No evidence of harmful effects from available information.
- Skin contact: In case of contact with molten polymer immediately cool the skin with cold water. Medical aid may be required to remove adhering material and for treatment of burns. Contact a doctor in case of discomfort.
- Eye contact: No evidence of harmful effects from available information.



6. First aid measures

- Inhalation: Move the person to fresh air.
- Skin contact: Wash skin with soap and water.
- Eye contact: Flush eyes thoroughly with water for several minutes. Remove contact lenses if worn.
- Swallowing: If the patient is fully conscious, rinse their mouth with water. If difficulties occur, seek medical attention.

7. Fire-fighting measures

- Flash point: Not currently available.
- Auto ignition: Not currently available.
- Suitable extinguishing media: Water spray.
- Protective equipment: Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.
- Flammable limits in air: Not determined.

8. Handling and storage

- Protection against fire and explosion: Avoid dust formation. Provide exhaust ventilation.
- Storage: Store container in a well dry/cool place. Keep away from any source of ignition.

9. Stability and reactivity

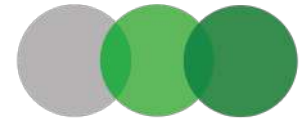
- Conditions to avoid: Avoid extreme heat. Avoid all sources of ignition: heat, sparks, and open flame.
- Substances to avoid: Strong oxidising agents.
- Decomposition products: At prolonged heating above the decomposition temperature dangerous decomposition products can be formed.
- Corrosion to metals: No records till now.
- Peroxides: The product does not contain peroxides.

10. Toxicological Information

- Toxicological data: No data.
- Chronic toxicity: No data.
- Carcinogenicity: No data.
- Skin contact: No irritation during normal handling.

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- Inhalation:No data.

Note:Based on our experience and the information available, no adverse health effects are expected if handled as per the recommended way.

11. Ecological information

At the present state of knowledge, no negative ecological effects are known or expected. Material is fully compostable and biodegradable and leaves no persistent ecotoxic residues.

12. Disposal consideration

Dispose of in accordance with national, state and local regulations. Do not discharge into waterways or sewer systems without proper authorization.

13. Transport information

Not regulated as hazardous material or dangerous good for transportation.

14. Regulatory information

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.

15. Other information

This data is based on the current state of our information and experience. This safety data sheet describes our product in terms of safety requirements. Preceding data is not applicable as a warranty of product properties. It is the responsibility of the recipient to observe the existing legal regulations for the use of this product.