



SAFETY DATA SHEET

According to Regulation (EU) No. 2015/830

Issue: 3**From: 23.01.2020**

1. Identification of the Mixture and of the Company/Undertaking

Product identity:	Beetle' Nylon 6 (PA6) – R106/N/50GFS
Intended Use:	Pelletised polymer compound for manufacture of plastic articles by injection moulding & extrusion processes.
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2. Hazards Identification**Classification of the substance or mixture****According to Regulation (EC) No. 1272/2008 as amended:**

This product is not classified as a hazardous substance or mixture.

Label Elements: No Special labelling is applicable.**Other Hazards:** Spilled pellets present a slip hazard. Clean up spills immediately.

3. Composition/Information on Ingredients

Chemical Description:	Polymer - Compounded mixture
Mixture components:	Polyamide 6, glass fibre reinforced + minor additives (Lubricant, stabiliser)
Hazardous Components:	None classified according to CLP Regulation (EC) No. 1272/2008

4. First Aid Measures

Burns:	Treat contact burns immediately by immersing or drenching the affected area with cold water. Solid material remaining on the skin should not be pulled off but should be treated by qualified medical staff.
Eye Contact:	Irrigate copiously with water for at least ten minutes; obtain medical advice immediately if irritation persists or there is any tissue damage.
Inhalation:	In the event of excessive inhalation of fumes remove the individual to fresh air and keep at rest; obtain medical advice immediately.
Ingestion:	In the event of accidental ingestion, rinse mouth with water; give up to 1 tumbler (250 ml) of milk or water to drink; obtain medical advice immediately.

5. Fire Fighting Measures

Extinguishing Media:	Dry powder, foam or water spray.
Unsuitable Media:	High pressure concentrated water jet may disperse flaming particles.
Exposure Hazards:	Toxic fumes will be evolved in a fire. Burning will be accompanied by the release of flaming droplets of molten polymer. For decomposition products see Section 10.
Protective Equipment:	Fire fighters and others exposed, wear self-contained breathing apparatus.

6. Accidental Release Measures

Personal Precautions:	Use personal protection recommended in Section 8.
Environmental Precautions:	Do not allow to enter drains and water courses.
Methods for Cleaning Up:	Vacuum or sweep up. For disposal see Section 13.

7. Handling and Storage

Handling:	The material, normally supplied as dust-free granules, should be handled by procedures which do not lead to the generation of dust. Contains glass fibers. Avoid skin contact. Take precautionary measures against static discharges. Spilt materials should be cleaned up immediately to avoid slipping and fall risks.
Storage:	Material should be stored under dry, cool conditions in the original sealed packaging until required for use. On exposure to the atmosphere the material will absorb moisture possibly leading to foaming and spitting during processing unless suitably re-dried.

8. Exposure Controls/Personal Protection

Engineering Measures: Use Local Exhaust Ventilation to remove gases and vapours released during drying, purging and moulding operations. Use Local Extraction to remove possible dust during finishing operations such as grinding or machining.

Occupational Exposure Limits (EH40):Total Inhalable Dust10 mg/m³ - 8-hour TWARespirable Dust4 mg/m³ - 8-hour TWACaprolactam (1,6-Hexanolactam)1 mg/m³ - 8-hour TWADust & Vapour3 mg/m³ - 15-min. ref. period

Eyes: Safety spectacles or goggles when machining mouldings.

Respiratory Protection: Use suitable respiratory protection according to Regulation (EU) 2016/ 425 if operations create dust (DIN EN 143 particulate filter P1).

Hand Protection: Molten polymer derived from melt processing can adhere to the skin causing severe contact burns. Irritant fumes may be emitted during melt processing particularly if overheated - see Section 10.

Use heat resistant gloves (EN407) during melt processing and moulding.

9. Physical and Chemical Properties

Appearance: Natural or coloured granules.

Odour: None.

Specific Gravity: Approx. 1.56 g/cm³

Soluble in: Partially soluble in formic acid, sulphuric acid.

Insoluble in: Water.

Melting Range: 215 - 225 °C.

Thermal Decomposition: > 310 °C when typical good processing practices are followed. See Section 10 - 'Conditions to avoid'.

10. Stability and Reactivity

Conditions to Avoid: Storage at elevated temperatures and conditions of high humidity.

Use of excessive temperatures and / or prolonged delay exposures at normal processing temperatures may cause decomposition.

Hazardous Decomposition Products: Thermal decomposition products may include ammonia, hydrogen cyanide, aldehydes and oxides of carbon and nitrogen.

11. Toxicological Information

Acute toxicity:	Not classified (No data available for this product).
Skin corrosion/irritation:	Not classified (No data available for this product). Prolonged unprotected contact with dust or pellets may cause localised irritation.
Serious eye damage: /irritation	Not classified (No data available for this product).
Respiratory or skin: sensitisation	Not classified (No data available for this product).
Germ cell mutagenicity:	Not classified (No data available for this product).
Carcinogenicity:	Not classified (No data available for this product).
Reproductive toxicity:	Not classified (No data available for this product).
STOT-single exposure:	Not classified (No data available for this product).
STOT-repeated exposure:	Not classified (No data available for this product).
Aspiration hazard:	Not classified (No data available for this product).

12. Ecological Information

Environmental Effects:	On the basis of available information, this product is not expected to produce significant adverse environmental effects if recommended use instructions are followed. The product is not considered to be biodegradable. Specific ecological data is not available for the product
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13. Disposal Considerations

	This product should preferably be recycled using typical thermoplastics regranulation & subsequent melt processing techniques whenever possible. When recycling is not a viable option, energy recovery via incineration or disposal to landfill may be considered. Local guidance and regulations must be followed.
Recycling code:	>PA6-GF50< (ISO 11469:2016))

14. Transport Information

The product is not classified by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID) and does not require special transport provisions.

15. Regulatory Information**EU Regulation (EC) No. 1907/2006 REACH:**

The material contains no component substances currently restricted, subject to authorisation or candidate listed as SVHC (Substances of Very High Concern).

16. Other Information

Use: This material is formulated for use as an injection moulding material and the advice contained in this datasheet is based on this processing method. If any other use is intended, advice should be sought from Polyram UK Limited.

Hazard phrases if full: Not classified according to current EU regulations.

Risk Phrases in full: Not classified according to current EU regulations.

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