



MATERIAL SAFETY DATA SHEET

In accordance with the Regulation (CE) 1907/2006 (REACH)

I. Identification of Substance and Manufacturer

- + **Article N°:** THETAMID B GF20E1 NA1000
- + **Description:** PA6 20%GF LOW IMPACT MODIFIED NATURAL
- + **Manufacturer's Name:** POWERPOL s.r.l.
- + **Information supplied by:** Quality Department, Via Moncalieri 19/B ZI Villastellone (TO)
mail:qualita@powerpol.it

II. Composition/Information on Ingredients

Chemical Characterization/Description:

+ Components:	Ingredients	CAS Number	%
	Polyamide 6	32131-17-2	76-80
	Glass Fibre	65997-17-3	18-22
	Additives	Multiple	2

- + **Hazardous Components:** No hazardous or toxic components.
This product does not contain any dangerous product in quantity as to be showed in this section, so as expected by the UE and International norms

III. Hazards Identification

- + **Hazard Identification:** The melted product can stick to the skin causing burns. The risk of slide is possible in presence of material poured out. During manipulation electrostatic charges can develop. During the working process steam can be developed, irritating for eyes and breathing apparatus.
- + **Identity information:** According to EEC directive 1999/45, 67/548 and further updates, this product has no hazardous or toxic components.



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IV. First Aid Measures

- + **General Information:** No special measures required.
- + **Inhalation:** Remove victim to fresh air. Give oxygen or artificial respiration if necessary; get medical attention.
- + **Skin Contact:** Gently wash all affected skin areas thoroughly with running water; do not remove solid product from skin. Get medical attention.
- + **Eye Contact:** Flush victim's eyes with fresh water for several minutes keeping eyelids open; get medical attention.
- + **Ingestion:** The product ingestion does not require any specific measure; get medical attention.

V. Fire-fighting Measures

- + **Suitable Extinguishing Agents:** Nebulized Water, Foam, Carbon Dioxide, Dry Chemical
- + **Non-suitable Extinguishing Agent:** None
- + **Specific risks due to substance, combustion products or gas given off:** In case of fire can be given off: Water (H₂O), Carbon Dioxide (CO₂), Carbon Monoxide (CO) and other toxic products. Combustion products can be dangerous.
- + **Protective Equipment:** Wear self-contained breathing apparatus.
- + **Other Instructions:** During product melting, in products compounded with mineral fillers, there are few cases of dripping.

VI. Accidental Release Measures

- + **Personnel Precautions:** Specific measures not requested, see pt. VIII.
- + **Environmental Precautions:** None necessary under normal conditions of use; see pts. XII e XII.
- + **Measures for Cleaning/Collection:** Small pouring: Store in a well labelled container, dispose according to security standards.
Large pouring: As per small pouring, recycle product or dispose according to security standards. See pt. XIII.
- + **Other Precautions:** Pick up the spilled granules: it could cause accidental fall.

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VII. Handling and Storage

- + **Indications for a safe handling:** In case of room temperature handling no particular measures are requested. In case of accidental fall of the product, do not spread it, it could cause accidental fall. Experimental tests show that warming the product at processing temperature can develop hazardous smokes with value lower than TLV-TWA. Due to this fact we recommend to use a proper aspiration system. Handle with care the melted product, since the charges keep the material in dense shape, originating a heat exchange slower than a common resin. The thermic polymer degradation can protract for a long time developing dangerous smoke. In case of coloured product, during the working process do not exceed in recommended temperature since colours can develop harmful decomposition product. If some powder is produced during transport or granules milling, as it happens for all kind of polymers, take precautionary measure against risk of explosion.
- + **Warehouses and containers qualification:** Do not smoke, take precautionary measures against static electricity, the product can be stored in bags, autosilos, containers or cartons.
- + **Indications of mixed storage:** Not necessary.
- + **Further information concerning storage conditions:** Keep away from heat and sun rays, keep containers in a dry and ventilated place.

VIII. Exposure Controls and Personal Protection

- + **Other Instructions:** See pts. VII e IX

Personal Protective Equipment:

- + **General protective and hygienic measures:** When working do not eat, drink or smoke.
- + **Breathing equipment:** Wear appropriate respirator when ventilation is inadequate.
- + **Protection of hands:** Thermic-insulated gloves.
- + **Eyes Protection:** Safety goggles are recommended during the pouring off.
- + **Body protection:** Wear protective work clothing.
- + **Components with limit values that require monitoring at workplace:** Not required

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IX. Physical and Chemical

General Information:

Shape: Granular

Color: Various

Odor: Odourless

Melting Point (°C):	220-260°C
Inflammability Point:	Not applicable (enclosed V dir. 92/69/CEE A.9)
Self-lighting Temperature:	> 400°C
Decomposition Temperature:	> 300°C
Explosion Properties:	None See pt. 7
Solubility:	Insoluble in water

X. Stability and Reactivity

- + **Thermic Decomposition:** The product decomposes over 300°C; in normal handling and storage conditions the product is considered stable.
- + **Materials to Avoid:** Strong oxidants agents.
- + **Dangerous Reactions:** None.
- + **Hazardous Decomposition Products:** None at environment point..

XI. Toxicological Information

- + **Acute Toxicity:** none
- + **Primary Irritability:** none.
- + **About Skin Irritation:** Not irritating.
- + **About Eye Irritation:** Not irritating.
- + **Sensitization:** Unknown sensitization effects.
- + **Other Toxicological Data:** The product, if properly handled according to given instructions, is not dangerous for the health.

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XII. Ecological Effects

Data on elimination

- + **Other indications:** The product is not biodegradable.

XIII. Disposal Considerations

Product

- + **Advices:** Dispose in authorized dump. The product is considered a solid waste by EEC law dated 20/12/1993 establishing a list of waste in accordance to Directive 75/442/CEE, and further modification 91/156/CEE. The product can be recovered or recycled according to instructions of EEC Directive 94/62.
- + **European Waste Catalogue:** 070213.

Unclean Package

- + **Advices:** Dispose as specified by existing local regulations.

XIV. Transport Information

- + **Trasport/other instructions:** According to recent national and international laws concerning road, rail and air transport, the product is not considered dangerous.

XV. Regulatory Information

- + **Classification according EEC Directive:** According to EEC Directive 67/548 and further modifications, this product is not considered dangerous.
- + **Regulation UE (CE) n° 1907/2006 (REACH):** Not applicable
- + **National dispositions/restrictions:** All national dispositions concerning the kind of product are in general applicable.



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XVI. Other information

This Material Safety Data Sheet is based on our present knowledge and experience; however this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

The information given through this document is in conformity with obligation imposed by Order in Council 626/94.

This Material Safety Data Sheet and all information contained in it have to be considered precise in good faith. We looked into all the information contained in this sheet, received by sources external to our company.

We believe all information is correct but we cannot guarantee the preciseness and completeness. Final determination of suitability of any material is the sole responsibility for the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard that exist

+ Bibliography:

- Directive 67/548/CEE and further updates
- Directive 1999/45/EC
- Directive 2001/58/EC
- RTECS (Registry of toxic effects of chemicals substances)
- Frostling, Hof, Jacobson, Pfaffli, Zitting, "Thermal decomposition products from plastics", 2-Polypropylene and polyvinylchloride, 1983
- EINECS/ELINCS
- Regulation UE (CE) n° 1907/2006 (REACH)