

EEC - Safety Data Sheet

accordance to EEC guideline 91/155/EWG



1. Substance/preparation and company name

G E H R –Polyamide 6 G (PA 6 G) -of semi-finished material, nature and black

G E H R -Kunststoffwerk
Vertriebsgesellschaft mbH
Casterfeldstrasse 172
D-68219 Mannheim

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2. Composition/information on ingredients

Cast-Polyamide from e-Caprolactam (Monomer content : < 3 %), as requested pigment, additives

CAS No.: not required

Not exactly indicated components are property-legally protected or harmless

3. Hazards identification

none known

4. First aid measures

Skin: Semi-finished materials don't cause skin irritation. In case melted material comes in contact with the skin, the skin needs to be rinsed thoroughly with cold water. Do not try to remove the molten material. Seek medical attention if rash or burn occurs.

Inhalation: After inhalation of vapours from burning or thermal degradation of the product, get fresh air and warmth. Seek medical attention.

5. Measures for fire fighting

Suitable fire extinguishing agents:

Foam, fire-ex. powder, carbon dioxide (CO₂), water spraying jet.

Unsuitable fire extinguishing agents:

None.

Additional information:

Special exposure hazards arising from the substance or preparation itself, combustion products or resulting gases: In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO₂) and monomers could be released. See also section 10.

Is recommended the application of local independent over-pressure press air-breather and/or recirculated air-independent Respirators as well as the protection equipment usual with fires.

6. Measures during unintentional release

Protective measures:

No special protection equipment required.

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7. Handling and storage

Handling:

Follow good standard industrial hygiene practices. Apply adequate ventilation directly to the outside air. Minimize inhalation of vapours. Evacuate residue to prevent slipping or tipping hazard.

Storage:

Inert material under normal storage conditions.

8. Exposure limitation and personal protection equipment

Personal protection equipment:

Respiratory protection:

Not necessary

Hand/Skin protection:

Not applicable.

Eye/Face protection:

Wear safety glasses with side shields or chemical goggles should be sufficient for most processing/machining runs.

Workplace related limits:

ϵ -Caprolactam (CAS: 105-60-2)

MAK: 0,5 mg/m³ (Germany)

Xn: R20, R22

Xi: R36, R37, R38

Fine dust: MAK: 0,6 mg/m³ (Germany)

9. Physical and chemical characteristics

| | |
|----------------------------------|--------------------------------|
| Form: | Semi-finished material (solid) |
| Colour: | natural, black |
| Smell: | none |
| Fusion range: | about 220 °C |
| Autoignition temperature: | 450 °C |
| Solubility in water: | insolubly |

10. Stability and reactivity

Avoiding conditions:

Thermal degradation start with about 300 °C

Dangerous Components of degradation:

Carbon monoxide (CO), carbon dioxide (CO₂), traces of hydrogen cyanide (HCN) and monomers are possible. The development of further fissile or oxidation by-products is dependant on the circumstances. There is a danger of an expansion of the fire due to spontaneous combustion of the vapours.

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11. Specifications to the toxicology

This material is not considered as being harmful to human health.

12. Ecological data

This material does not harm the environment but is not biologically degradable.

13. Notes to the disposal

Waste disposal:

When recycling is impossible, incineration or landfill. Disposal methods must conform to local or other government regulations. (EU-waste code: 20 01 06)

14. Specifications to transport

General: This product is not subject to transport regulations.

15. Regulations

Labelling in accordance to EEC directive:

There is no need to mark this product according EEC-regulations (GefStoffVo). Not a water hazard.

16. Other specifications

Further information about characteristics of the product can be inferred „from the brochure “the product range by GEHR”.

With the managing specifications, which correspond to the today's conditions of our knowledge and experiences, we want to describe our product regarding any safety requirements.

We connect with it however no characteristic warranties. The information container herein does not absolve the user from knowing and following proper work related rules and special laws, directives and agreements. Consisting laws and analyses are to be observed by the receiver of our product within own responsibility.