

EEC - Safety Data Sheet



accordance to EEC guideline 91/155/EWG

1. Substance/preparation and company name

GEHR –Polyethylene terephthalate (PET) –of semi-finished material, natural

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2. Composition/information on ingredients

Polyethylene terephthalate (PET)

CAS No.: 25038-59-9

3. Hazards identification

This material is not hazardous according to the directives EEC 88/379 and 67/548.

Potential Health Effects

Eyes: Product may cause irritation or injury due to mechanical action.

Skin: Semi-finished materials don't cause skin irritation.

4. First aid measures

General information:

At room temperature the product is neither irritative nor gives off dangerous steams. The measures listed below apply to critical situations (fire, incorrect process conditions).

Eyes: Remove contact lenses. Flush eyes well with copious quantities of water or normal saline for at least 15 minutes. Seek medical attention, if irritation persists.

Skin: Flush skin thoroughly with water. Seek medical attention if rash or burn occurs.

Inhalation: Not likely to be inhaled due to physical form.

5. Measures for fire fighting

Fire Fighting: Approved pressure demand breathing apparatus and protective clothing should be used for all fires. Water spray is the preferred extinguishing medium. This product will melt but will not be carried on the surface of water.

Extinguishing Media: Water spray, foam, carbon dioxide and water.

Hazardous Combustion Products: Hazardous combustion products may include carbon monoxide

6. Accidental Release Measures

General: Sweep or gather up material and place in proper container for disposal or recovery.

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7. Handling and storage

Handling: Follow good standard industrial hygiene practices. Apply adequate ventilation directly to the outside air.

Storage: Inert material under normal storage conditions. No special precautions required. Keep dry for optimum processing/machining.

8. Exposure limitation and personal protection equipment

Engineering Controls: A continuous supply of fresh air to the workplace together with removal of processing fumes through exhaust systems is recommended.

Personal Protection:

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

Hand/Skin: Long pants, long sleeves and gloves should be worn when handling hot material.

Respiratory: Under normal conditions no special respiratory protection is required, however one recommends with work under increased temperatures without sufficient exhaust, use an approved air-purifying respirator. Do not smoke.

9. Physical and chemical characteristics

| | |
|-----------------------------------|--------------------------------|
| Form: | Semi-finished material (solid) |
| Colour: | natural |
| Smell: | none |
| Fusion range: | 255 °C |
| Decomposition temperature: | > 300 °C |
| Autoignition: | > 420 °C |
| Solubility in water: | insolubly |

10. Stability and reactivity

Stability: Stable under recommended conditions of storage and handling.

Reactivity: Not reactive under recommended conditions of handling, storage, processing and use.

Conditions to avoid: Do not exceed melt temperature recommendations in product literature. In order to avoid autoignition/hazardous decomposition of hot thick masses of plastic, purgings should be collected in small, flat shapes or thin strands to allow for rapid cooling and quench in water. Do not allow product to remain in barrel at elevated temperatures for extended periods of time.

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11. Specifications to the toxicology

Product acute oral: Oral LD50 (Rat) > 5 g/kg.

The product is a solid, insoluble in water, chemically inert and virtually not biologically degradable.

12. Ecological data

General: Not expected to present any significant ecological problems.

13. Notes to the disposal

Waste disposal:

Recycling: This product may be recycled either back into original parts or into suitable other applications.

Waste disposal: This product is not regarded as hazardous waste. Dispose in accordance with local regulations.

14. Specifications to transport

General: This product is not subject to transport Regulations.

15. Regulations

This product is not considered dangerous under EU Directive 88/379/EEC.

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. Consisting laws and analyses are to be observed by the receiver of our product within own responsibility.