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SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Polyethylene (PE)

Relevant identified use of substance/preparation and use which is advised against

None.

Relevant identified uses

Semi-finished products for the manufacture of plastic products.

Details of the supplier of safety data sheet

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SECTION 2: Hazards identification

Classification of the substance or mixture

Not known.

SECTION 3: Composition/information on ingredients

Product type

Polymer of ethylene, CAS-no. not necessary.

SECTION 4: First aid measures

Description of First aid measures

General information

Medical aid is not necessary.

First aid measures

None.

Routes of exposure

None.

Symptoms / effects

None.

SECTION 5: Fire fighting measures**Suitable extinguishing media**Water mist, dry powder, carbon dioxide (CO₂), foam.**Hazard information**

Not applicable.

SECTION 6: Accidental release measures**Methods and material for containment and cleaning up**

Collect released material.

Personal precautions

None.

Environmental precautions

Not applicable.

Cleaning equipment

Not applicable.

Cleaning equipment that should not be used

Not applicable.

SECTION 7: Handling and storage**Precautions for safe handling**

No special provisions have to be observed.

Storage

Unlimited shelf life.

Storage category

(TRGS 510): 11, combustible solids

SECTION 8: Exposure controls/personal protection**Control Parameters****Exposure limit values and exposure controls****Special design of processing facilities**

Not necessary.

Exposure limit values

None.

Exposure assessment

Not applicable.

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Respiratory protection

Not required.

Eye Protection

Not required.

Eye Protection

Not required.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Physical state / form:	Solid, rod
Colour:	black
Density:	0,955 g/cm ³ at 20°C; DIN 53479
Odour:	Not applicable
Crystalline melting range:	126-130 °C
Water solubility:	Non soluble
Flash point:	Not applicable
Thermal decomposition:	> 300 °C
Ignition temperature:	~ 350 °C
Decomposition temperature:	> approx. 300 °C

9.2 Other information

Viscosity, dynamic:	Not applicable
Dust explosion class:	Not applicable

SECTION 10: Stability and reactivity**Thermal decomposition**

Above approx. 300 °C

Hazardous decomposition products

Besides carbon black also carbon dioxide and water as well as low-molecular parts will arise during the burning process. In case of incomplete burning also carbon monoxide may arise.

Use of stabilisers

None.

Exothermic reactions

None.

Advice regarding aggregate conditions

None.

Conditions to avoid

None.

Substances to avoid

None.

Chemical stability

In case of fire or if the product is over heated due to improper processing, toxic gases and vapours can occur due to thermal decomposition.

Possibility of hazardous reactions

No hazard reactions known if properly used.

Hazardous decomposition products

Smoldering respectively incomplete combustion can cause toxic gas mixtures which mainly contain CO and CO₂.

SECTION 11: Toxicological information

No hazardous effects on health were observed over several years of usage.

SECTION 12: Ecological information**Toxicity**

No biodegradation, no solubility in water, no hazardous effects on the environment are to be expected.

Mobility

Not applicable.

Accumulation

Not applicable

Eco-toxicity

Not applicable.

SECTION 13: Disposal considerations

Can be recycled or be disposed of with household waste (please observe the national laws and regulations).

Recommended waste codes / waste names for unprocessed product

120 105 waste of polyolefin

SECTION 14: Transport information

No dangerous good with regards to transport regulations.

Notice/symbol transport containers

None.

Special marking for containers

None.

SECTION 15: Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture****Candidate list of substances of very high concern for authorisation**

This product does not contain any substances of very high concern (regulation (EU) No. 1907/2006 paragraph 57 (REACH)).

GefStoffV/EG: no labelling required.

Water hazard class: class 0 (self-assessment)

Other national regulations: none

SECTION 16: Other information

This information solely describes the safety requirements of the product(s) and is based on our current state of knowledge. It does not give any assurance concerning the product(s) described within the meaning of statutory warranty regulations.

Change index

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