

GI 097-1

CEE Safety Data Sheet
HDPE

EDITION 0706
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CEE Safety Data Sheet according 91/155/EWG

1. INDICATIONS TO THE MANUFACTURER

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2. COMPOSITION / INDICATION TO COMPONENTS

Chemical characteristics	Polymer of ethylene
Trade Name	HDPE
Chemical Classification	Synthetic polymer
Formula	$(C_2H_4)_n$
CAS Number	25087-34-7

3. POSSIBLE DANGERS

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4. FIRST AID MEASSURES

General comment	Medical aid is not necessary
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5. FIRE FIGHTING MEASURES

Suitable Fire fighting appliance	Water fog, foam, fire fighting powder, carbon dioxide
Flammability LFL % v UFL % v	10 g/m ³ Not appli.
TDG Flammability	DNA
Explosion sensitivity to impact	No
Explosion sensitivity to static electricity	No
Autoignition Temperature	380°C / 716°F
Heat Volume	12,2 Kwh/Kg
Combustible Material	No
Explosive Material	No
Hazardous Polymerization	will not occur

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Flammable Material	No
Oxidiser	No
Corrosive Material	No
Pyrophoric Material	No
Organic Peroxide	No

6. MEASURES IN CASE OF UNINTENDED RELEASE

Not applicable	
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7. HANDLING AND STORAGE

Handling	No special regulations
Storage	Unlimited good storage property

8. LIMITATION OF EXPOSITION

Personal protective equipment	Not necessary
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9. PHYSICAL AND CHEMICAL CHARACTERISTICS

Phenotype	Semifinished product in different colors
Smell	Not distinguishable
Crystallite melting point	130°C
Inflammation temperature	350°C
Density	0.95 g/cm3

10. STABILITY AND REACTIVITY

Thermal decomposition	Above 300°C
Dangerous composition products	While burning carbon black, carbon dioxide may get discharged. In case of incomplete burning also carbon monoxide may arise.

11. TOXIC INDICATIONS

Even after several years of usage no effects being harmful for health were observed	
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No biodegradation, no solubility in water, no effects being harmful to the environment must be expected	
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13. WASTE-DISPOSAL INDICATIONS

Waste disposal	PE Recycling or disposal together with household rubbish(acc. To local regulations)
Waste key	EAK-Code 120 105
Waste name	Waste of polyolefine

14. TRANSPORT INDICATIONS

No dangerous product in respect to transport regulations	
UN Number / UN Hazard class	Not regulated as hazardous or dangerous goods
Hazchem code (EAC)	Not regulated as hazardous or dangerous goods
ICAO / IATA code	Not regulated as hazardous or dangerous goods
IMO / IMDG code	Not regulated as hazardous or dangerous goods
RID / ADR code	Not regulated as hazardous or dangerous goods

15. INSTRUCTIONS

GefStoffV/EG	No obligation for marking
Water danger class	Class 0

16. DISCLAIMER

Information contained in this material safety data sheet is believed to be reliable but no representation, guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. It is upto the user to ensure that the information contained in the material safety data sheet is relevant to the product handled by him as the case may be. PESTEC makes no warranties, expressed or implied, in respect of the adequacy of this document for any particular purpose.