

**TEIJIN MONOFILAMENT GERMANY GmbH**

Revised: 22.09.2006, Date printed: 22.09.2006

**01 Identification of the substance / preparation and of the company****Product:** H-, M-, Q-, R-, S-, SM-, T-, U-, W-, Y-Type (900er Serie)**Use:** filament yarn**Company:** TEIJIN MONOFILAMENT GERMANY GmbH

Max-Fischer-Str. 11

86399 Bobingen

**Phone:** +49 8234 99-2515**Fax:** +49 8234 99-2508**Homepage:** www.teijinmonofil.com**Emergency phone:** Abteilung EHS: +49 (0)8234 99-1416**02 Composition / Information on ingredients**

Substance	EINECS/ELINCS	CAS	Range [%]	Symbol / R-phr.
Polyethyleneterphthalate		25038-59-9		

**03 Hazards identification**

No special hazards have to be mentioned.

**04 First aid measures**

General information:	not applicable
Inhalation:	Ensure supply of fresh air.
Skin contact:	In case of contact with skin wash off with warm water . Consult a doctor if skin irritation persists.
Eye contact:	In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
Ingestion:	not applicable
Advice to doctor:	Treat symptomatically.

**05 Fire-fighting measures**

Suitable extinguishing media:	Foam. Dry powder. Water spray jet. Carbon dioxide.
Extinguishing media that must not be used:	none
Special exposure hazards arising from the substance or preparation itself or combustion products:	Risk of formation of toxic pyrolysis products. Carbon monoxide (CO).
Special protective equipment for firefighters:	Use self-contained breathing apparatus.
Additional information:	Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

**06 Accidental release measures**

Personal precautions:	not applicable
Environmental precautions:	none
Methods for cleaning up / taking up:	Dispose of absorbed material in accordance with the regulations. Take up mechanically.

**07 Handling and storage**

Advice on safe handling:	Fibers that are processed at high speeds could cause abrasions or cuts. Appropriate protective measures are recommended.
--------------------------	--

**TEIJIN MONOFILAMENT GERMANY GmbH**

Revised: 22.09.2006, Date printed: 22.09.2006

Advice on protection against fire and explosion: The product is combustible.

Requirements for storage rooms and vessels: No special measures necessary.

Advice on storage compatibility: not applicable

Further information on storage conditions: No special measures necessary.

**08 Exposure controls / personal protection****Additional advice on system design:**

Ensure adequate ventilation on workstation.

Ingredients with occupational exposure limits to be monitored: not applicable

Respiratory protection: Respiratory protection in the case of the fiber formation. Short term: filter apparatus, Filter P1.

Hand protection: Leather (EN 388).

Eye protection: Safety glasses.

Skin protection: not applicable

General protective measures: Do not inhale dust. Avoid contact with eyes.

Hygiene measures: Wash hands before breaks and after work. Use barrier skin cream.

Delimitation and monitoring of the environmental exposition: not determined

**09 Physical and chemical properties**

Form: monofilament  
 Colour: various  
 Odour: odourless  
 pH-value: not applicable  
 pH-value, 1 %: not applicable  
 Boiling point [°C]: not applicable  
 Flash point [°C]: not determined  
 Flammability:[°C] not applicable  
 Lower explosion limit: not applicable  
 Upper explosion limit: not applicable  
 Combustible properties: no  
 Vapour pressure [kPa]: not applicable  
 Density [g/ml]: 1,3 - 1,4  
 Bulk density [kg/m<sup>3</sup>]: not applicable  
 Solubility in water: Insoluble.  
 Partition coefficient: n-octanol / water: not applicable  
 Viscosity: not applicable  
 Relative vapour density determined in air: not applicable  
 Evaporation speed: not applicable  
 Melting point [°C]: 250 - 260  
 Autoignition temperature [°C]: 515  
 Decomposition temperature [°C]: > 300

**TEIJIN MONOFILAMENT GERMANY GmbH**

Revised: 22.09.2006, Date printed: 22.09.2006

**10 Stability and reactivity**

Hazardous reactions:	Reactions with acids, alkalies and oxidizing agents. stable up to decomposition temperature
Hazardous decomposition products:	No hazardous decomposition products known.

**11 Toxicological information**

Acute oral toxicity OECD 401:	not determinated
Acute dermal toxicity OECD 402:	not determinated
Irritant effect on skin OECD 404:	not determinated
Acute inhalational toxicity OECD 403:	not determinated
Irritant effect on eye OECD 405:	not determinated
Sensitization OECD 406:	not determinated
Mutagenicity:	not determinated
Reproduction toxicity:	not determinated
Carcinogenicity:	not determinated
Experiences made in practice:	None fibres with diameter below 3,5 micrometers. Filament is nonrespirable (IARC). Fiber abrasion can cause mechanical skin irritation.
General remarks:	No classification on the basis of the calculation procedure of the preparation directive.

**12 Ecological information**

Fish toxicity:	not applicable
Daphnia toxicity:	not applicable
Behaviour in environment compartments:	not determinated
Behaviour in sewage plant:	not applicable
Bacteria toxicity:	not determinated
Biological degradability:	not applicable
COD:	not determinated
BOD5:	not determinated
AOX-advice:	No dangerous components.
76/464/EC:	none
General information:	Product is insoluble in water. Under usual soil conditions the fiber product is stable and does not decompose.

**13 Disposal considerations**

Disposal / Product:	For recycling, consult manufacturer. For recycling, consult waste disposal centres.
Waste no. (recommended):	070213
Disposal / Contaminated packaging:	Uncontaminated packaging may be taken for recycling. Packaging that cannot be cleaned should be disposed of as for product.

**TEIJIN MONOFILAMENT GERMANY GmbH**

Revised: 22.09.2006, Date printed: 22.09.2006

**14 Transport information****Classification according to** no dangerous goods**ADR:**

Declaration:

Labelling:

Factor, ADR 1.1.3.6:

LQ, ADR 3.4.6:

Hazard-no:

Label:

**Classification according to** not classified as Dangerous Goods**IMDG:**

Declaration:

Labelling:

Label:

LQ, [l, kg]:

EmS:

**Classification according to** not classified as Dangerous Goods**IATA:**

Declaration:

Labelling:

Label:

**15 Regulatory information****Labelling:** The product does not require a hazard warning label in accordance with EC directives**Hazard symbols:****15.1 Special labelling for certain preparations**

not applicable

**15.2 Sources of documentation**

EEC: 91/155 (2001/58); 67/548 (2004/73), 29. ATP; 1999/45 (2001/60); 91/689 (2001/118); 89/542; 1999/13; 2004/42

Transport information: ADR (2005); IMDG-Code (32.Amdt.); IATA-DGR (2006)

**15.3 National regulations(gb)**

EH40/2002 Occupational Exposure Limits Supplement 2003

**16 Other informations**

(Information on ingredients - Position 02)

not applicable

**16.1 Additional information:**

Observe employment restrictions for people: no

VOC, 1999/13/EG not applicable

Customs Tariff not determined

**16.2 Information on ingredients**

2004/42/EG not applicable

UBA-Registration not applicable

**TEIJIN MONOFILAMENT GERMANY GmbH**

Revised: 22.09.2006, Date printed: 22.09.2006

---

648/2004/EG, Contains: not applicable

**16.3 Modified position:**

none