

TEIJIN MONOFILAMENT GERMANY GmbH

Revised: 22.09.2006, Date printed: 22.09.2006

01 Identification of the substance / preparation and of the company**Product: A-, Z-, ZI-Type (800er 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.
Polyamide			

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:	Carbon monoxide (CO). Risk of formation of toxic pyrolysis products.
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:	Take up mechanically. Dispose of absorbed material in accordance with the regulations.

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.
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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 applicable
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]:	1,1 - 1,2
Bulk density [kg/m ³]:	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]:	240 - 250
Autoignition temperature [°C]:	520
Decomposition temperature [°C]:	> 280

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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 determined
Acute dermal toxicity OECD 402:	not determined
Irritant effect on skin OECD 404:	not determined
Acute inhalational toxicity OECD 403:	not determined
Irritant effect on eye OECD 405:	not determined
Sensitization OECD 406:	not determined
Mutagenicity:	not determined
Reproduction toxicity:	not determined
Carcinogenicity:	not determined
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 determined
Behaviour in sewage plant:	not applicable
Bacteria toxicity:	not determined
Biological degradability:	not applicable
COD:	not determined
BOD5:	not determined
AOX-advice:	not applicable
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:	Packaging that cannot be cleaned should be disposed of as for product. Uncontaminated packaging may be taken for recycling.

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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, [I, 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

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648/2004/EG, Contains: not applicable

16.3 Modified position:

none