



Trade name: Polyamide PA6.6 / 6 Copolymer

Date of issue 14.05.2007/Version 2.01/chw

replaces issue of 12.04.2005/chw

1. Identification of substance/preparation and company/undertaking

Product name: **Polyamide PA 6.6 / 6 Copolymer Granulate**
Producer and Supplier: **Nexis Fibers AG**
Gerliswilstrasse 19
CH-6021 Emmenbrücke (Switzerland)

Telephone Numbers: **Emergency No. +41 41 267 82 22**
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2. Composition / information on ingredients

Chemical nature:

Adipic-acid – 1.6-hexanediamine – caprolactame Copolymer, CAS No. 24993-04-2
Polymer Granulate, manufactured by polycondensation of adipic-acid and 1,6-hexanediamine with addition of about 2.5 % ϵ -caprolactame.

Heat protected Polymer types contain low amounts of alkali-halogenides and copper salts. Dulled Polymer types contain max. 0.3 % of titanium-dioxide.

EINECS No. According to European legislation this polymer does not have to be registered in the EINECS list

Physical nature: Granulated Polymer, solid, raw-white

3. Hazards identification

To the best of our knowledge, this product has not been associated with negative effects on humans and environment if used in accordance with good industrial hygiene practice and any legal requirements.

4. First-aid measures

Inhalation: Not specifically concerned

Skin contact: Not specifically concerned

In case of fire, the molten product may cause burns. Rinse with plenty of water. Do not attempt to remove clothes (danger of adherence to the skin). Call for a physician.

Eye contact: Not specifically concerned

Ingestion: Not specifically concerned



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5. Fire-fighting measures

Fire extinguishing agents:	All usual extinguishing media may be used
Restrictions:	No restrictions
Specific information for fire-fight:	Use autonomous respirators to fight fire indoor or in poorly ventilated areas. Do not use water as extinguishing agent in the presence of uninterrupted electrical installations.
Hazardous decomposition products:	Depending on temperature and oxygen availability, combustion off-gases contain variable quantities of toxic substances (carbon monoxide, traces of hydrogen cyanide, various organic compounds) which must not be inhaled.
Emergency Response Intervention (ERI)-Card-number :	4-03

6. Accidental release measures

Accidental dispersion:	Collect material (danger of skidding). Controlled re-use or waste disposal. No special safety risks or risks to the environment.
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7. Handling and storage

Fire precautions:	Remove dust by ventilation and vacuum cleaning. Keep away from ignition sources. Beware of static electricity and discharges.
Storage:	No special safety precautions.
Storage conditions:	Consider technical advises referring to optimal processability.

8. Exposure controls and personal protection

Components with occupational exposure limits:	none
Industrial hygiene:	No special risks if handled in accordance with good industrial hygiene practice and any legal requirements.
Personal protection:	According to good practice of polymer- and textile industry.

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9. Physical and chemical properties:

Appearance:	Form:	granulated Polymer
	Colour:	raw white (ecru)
	Odour:	none
Melting range:	[°C]:	250 - 260
Flash point:	[°C]:	about 400
Ignition temperature:	[°C]:	about 450
Thermal decomposition:	[°C]:	starts at about 350
Explosion limits:		not explosible
Density:	[g/cm ³]:	1.15
Bulk Density:	[g/dm ³]:	650 - 710
Vapour pressure:		not applicable
Solubility in water:		granulated Polymer is not water soluble

10. Stability and reactivity

Conditions to avoid:	none under normal storage conditions
Materials to avoid:	none under normal storage conditions
Hazardous decomposition products:	none under normal storage conditions
Combustion off-gases see point 5.	

11. Toxicological information

The granulated Polymer does not present special risks on humans if used in accordance with good industrial hygiene practice and the concerning legal requirements.
In case of special end uses, Nexis Fibers AG may be contacted for additional information.

12. Ecological information

The Polymer is not associated with ecological problems, provided that the wastes are orderly disposed of.
Because of its chemical nature, the product is not ecotoxic and not readily biodegradable.



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13. Disposal considerations

Can be disposed of as solid waste or burned in suitable installations, subject to local regulations. Packaging materials may be recycled or disposed of according to local regulations

14. Transport information

International regulations:

Class RID/ADR: not classified as hazardous

Class ICAO/IATA: not classified as hazardous

Class OMI/IMDG: not classified as hazardous

15. Regulatory information

Classification and labelling Not classified as hazardous (regulations EEC and others)

16. Other information

This Safety Data Sheet uses the format and listing sequence of European Commission Directive 91/155/EEC though the described product is not a dangerous preparation. It is intended to inform about physical properties, safety aspects, toxicological data and ecological characteristics that are relevant for the use of the polymer in textile and industrial applications, and to recommend procedures for handling, storage and transport.

This Safety Data Sheet is a complement to Technical Data Sheets but does not replace them. The information given is to the best of our knowledge at the date of issue. It does not constitute a contractual description of product properties.

The Safety Data Sheet is not meant to be handed out to private end-users. It does not disengage the user of his duty to know and to apply any law and regulation that may be relevant.

Additional information may be requested at Nexis Fibers AG if special applications of the polymer is intended.