
MATERIAL SAFETY DATA SHEET

1. Identification of the Product and of the Company

Manufacturer

Danish Fiber Production ApS

Snedkervej 1

DK 6800 Varde

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Trade Name

DFP Technical Fibres PP

Chemical Name

Polypropylene:

Propene homopolymer or l-propene, polymer with ethene.

Type of Product

For more detailed information, see technical data sheet.

2. Composition/Information on Ingredients

Main Components

Propene homopolymer or l-propene, polymer with ethene: min. 98%. Chemical formula: (C₃H₆)_n.

Substances Presenting a Health Hazard

None to our knowledge.

Chemical Family

Olefin polymer.

Additives

Polypropylene antioxidants and stabilizers: 2.0% max.

3. Hazards Identification

Main Hazards

None to our knowledge.

Symptoms related to Inhalation

If heated to more than 235°C, the product may form vapours or fumes which may cause irritation of respiratory tract, resulting in coughing and sensation of shortness of breath.

Physico-chemical Hazards

Combustible if exposed to flames

4. First Aid Measures

Inhalation

Fresh air.

Skin Contact

Treat the affected parts with cold water. If necessary, consult a skin specialist.

Eye Contact

in case of irritation, wash with copious volumes of water until the irritation disappears (at least 10 minutes). If necessary, consult eye specialist.

Ingestion

Ingestion during handling is not likely. In case of ingestion of small quantities, no important effect will be observed. In the case of ingestion of larger amounts this may result in abdominal pain and diarrhoea. If necessary, consult a doctor.

5. Fire-fighting Measures

Technical Measures

Stop the fire spreading. Call the fire brigade immediately. Evacuate nonessential personnel. Protective clothing, goggles and self-contained breathing equipment should be made available for firemen.

Extinguishing Media Suitable

For minor fires: carbon dioxide or powder for more extensive fires: foam. Water spray (mist) to cool the surfaces exposed to the fire.

Not to be used: Do not use water jets (stick jets) in the early stages of extinguishing fire since they could help to spread the flames.

Combustion Products

Complete combustion, with an excess of oxygen forms: carbon dioxide and water vapour. Partial combustion also forms carbon monoxide, soot and segregated products: aldehydes, ketones, hydrocarbons and volatile fatty acids.

6. Accidental Release Measures

Fibres spilled on the floor should be recovered by sweeping or suction, and put in containers to facilitate its disposal.

7. Handling and Storage

Do not store near highly flammable materials. Store away from heating source. Store in dry area to avoid degradation of the boxes and bags.

Storage Temperature

< 100°C, >- 40°C.

Shelf Life

One year.

8. Exposure Controls and Personal Protection

Occupational Exposure Limit

Restorable dust particles not considered to be a hazard.

Personal Protection

- Respiratory Protection

In case of risk of overexposure to dust, vapour or fumes, it is recommended that a local exhaust system is placed above the conversion equipment, and the working area must be properly ventilated.

9. Physical and Chemical Properties

Appearance

Long monofilament or fibrillated fibre strands.

Physical State at 20°C

Solid

Colour

Translucent or white opaque odourless.

Odour

Odourless.

Change in Physical State at 1013 hPa

From 160 to 165

Melting Range (°C):

± 350

Flash Point (ASTM D 1929) (°C):

> 380

Auto-ignition Temperature (°C):

Explosion Limits (kg/m³)

0.020 (for polymer dust < 63 µm)

Lower:

Min. ignition Energy at 20°C (mJ)

Density, mass at 20°C (kg/m³):

905 (ISO1183)

Solubility in Water (%weight):

Insoluble.

Viscosity (mm²/s):

Non-applicable.

Content of Chloride:

< 0.001%

Density:

0.905 g/m³

10. Stability and Reactivity

Stability

Stable under normal operating conditions.

Conditions to avoid

Avoid proximity or contact with flames or sparks. Do not heat to temperatures exceeding 300°C.

11. Toxicological Information

<i>Acute toxicity</i>	Low risk for temperatures below 40°C. If heated to more than 235°C the product may form vapours or fumes which may cause irritation of respiratory tract and cause coughing and sensation of shortness of breath.
<i>Symptoms related to Use:</i>	
<i>Inhalation</i>	
<i>Skin Contact</i>	No risk for temperatures below 40°C. Contact with hot material may cause severe thermal burns.
<i>Eye Contact</i>	Fine dust may cause irritation to ocular mucous, splashing of molten droplets causes ocular tissue injury.
<i>Ingestion</i>	Minimal toxicity.
<i>Carcinogenicity (mg/kg)</i>	IARC (International Agency on Research on Cancer): Category 3: The agent is not classifiable as to its carcinogenicity to humans.
<i>Mutagenicity</i>	This product has been found to be non-mutagenic as well as non-genotoxic.
<i>Other</i>	Polyolefines are biologically inert.

12. Ecological Information

<i>Information on Ecological Effects</i>	Avoid losses to the environment whenever possible.
<i>Mobility:</i>	There is a slow loss by evaporation.
<i>Air</i>	Because of its physicochemical properties, the product generally has low soil mobility.
<i>Soil</i>	
<i>Water</i>	Because of its low solubility the product should not be dangerous for aquatic life.
<i>Persistence and Degradability</i>	Persistent in the environment.
<i>Biodegradation</i>	This substance is slowly biodegradable.
<i>Bioaccumulative Potential</i>	Potential bioaccumulation of the product in environment is very low

13. Disposal Considerations

<i>Disposal</i>	According to local regulations. Can be disposed of as refuse for reprocessing. Do not dispose of by means of sinks, drains or into the immediate environment. It may be used as fuel in suitably designed installations.
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14. Transportation Information

No restriction on transport by road, water, rail, or flight.

15. Regulatory information

Labelling

No labelling is required in accordance with the EEC directives.

16. Other information

The information in this data sheet applies only to the products produced or supplied by us.

It is based on our experience and on the data available to us at the time of its issue and is accurate to the best of our knowledge. The customer is strongly advised to observe and ensure that its employees and customers observe all directions contained herein.

However, no warranty is made or implied that the information is accurate or complete and no liability will be accepted whatsoever arising out of the use of the information or the products designated herein.



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FIBRES

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Material Safety Data Sheet Kanecaron Type SE

Section 1 - Identification	
Manufacturer's Name:	Kaneka Corporation
Distributors Name:	Waxman Fibres Ltd
Address:	Grove Mills Elland West Yorkshire HX5 9DZ
Emergency Phone Number:	01422 310600 England
Chemical Synonyms:	Acrylonitrile/Vinyl Chloride Copolymer
Chemical Family:	Modacrylic
Section 2: - Hazardous Ingredients	
Hazardous Ingredients:	None
Section 3 - Physical Data	
Melting Point:	N/A
Boiling Point:	N/A
Specific Gravity:	1.25 - 1.30
Vapour Pressure:	N/A
Vapour Density:	N/A
Solubility in water:	Insoluble
Percentage, Volatile:	< 1
Evaporation Rate:	N/A
Appearance and Odour:	White with slight Odour
Section 4 - Fire and Explosion Hazard Data	
Flash Point:	No Data
Explosive Limit:	N/A
Extinguishing Media:	Water and other known extinguishing media
Special Fire Fighting Procedure:	Use self-contained breathing apparatus
Section 5 - Health Hazard Data	
Threshold Limit:	Unknown
Effect of Overexposure:	Unknown
Emergency and First Aid Procedure:	N/A
Section 6 - Reactive Data	
Stability:	Stable
Hazardous Polymerisation:	Will not Occur
Hazardous Decomposition Product:	SE fibre does not decompose in normal processing
Conditions to Avoid:	Avoid contact with strong Oxidizing agent
Section 7 - Spill or Leak Procedure	
Spill or Leak procedure:	Collect and remove, no special precautions required
Waste Disposal:	Dispose of in accordance with local regulations for solid waste Materials
Section 8- Special Protection Information	
Respiratory Protection:	Not Necessary
Ventilation:	Not Necessary
Protective Gloves:	Not Necessary
Section 9 - Special Precautions	
The ordinary hazards associated with handling heavy objects and operating various textile machines are encountered in the use of these products. Good industrial practice is recommended throughout the handling and processing of these products, as it is customary and appropriate for the operation being performed. These products contain less than 1% of organic lubricant.	