CE
2019.10.18

Data Sheet - Material Safety

1. Product Identification and the Company

1.1. Product identifier

Form of the product	Mixture/Fibre
Product name	**Wiking® Fibre**
Customs Tariff No.	55.03.40.00
Chemical name	Polypropylene: (C3H6)x
Product type	Polypropylene Homopolymer – PPH

1.2. Relevant, identified uses of the substance or mixture and uses that are advised against

1.2.1 Relevant identified uses

Main use category	Commercial use
Relevant identified uses of the substance	For more detailed information, see product data sheet

1.2.2 Uses that are advised against

Main	Food products

1.3. Details of the Material Safety Data Sheet supplier

Danish Fibres A/S
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DK 6800 Varde
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1.4. Emergency telephone

Denmark	Poison Control Centre (Bispebjerg Hospital) +45 82121212
Europe	Carechem 24 International +33 1 49000049 GBK GmbH 24h no.: +49 (0)6132-84463

2. Hazard Identification

2.1 Classification of the mixture/fibre

Classification in accordance with Regulation (EC) no. 1272/2008 (CLP)

Serious eye damage, Category 1 H318: Causes serious eye damage.

2.2. Labelling elements

Labelling in accordance with Regulation (EC) no. 1272/2008 (CLP)

Child-resistant fastening:	None
Tactile warning of danger:	None

2.3. Other hazards

Physical-chemical, health and environmental effects	To the best of Danish Fibres A/S's knowledge, this product does not present any particular risk, provided that general rules for occupational hygiene are observed.
Other hazards which do not contribute to classification	Contact with hot product - risk of serious burns. Vapours or fumes may form at temperatures exceeding 160°C; these can irritate the respiratory tract, resulting in coughing and shortness of breath. Handling the product can generate build-up of static electricity. Use appropriate earthing methods.
Physical-chemical hazards	Flammable in the presence of flames.

3. Composition of/information about ingredients

3.1. Substance

Not applicable

3.2. Mixture

Propylene homopolymers (Cas no. 9003-07-0) >98%	Not classified
Spin oil <2% Symptoms associated with inhalation	If the product is heated to more than 235°C, vapours can form and they can i rritate the respiratory tract, resulting in coughing and a feeling of breathlessness.
Additives	Polypropylene antioxidants and stabilizers: max 2.0%

4. First aid measures

Inhalation	Fresh air.
Contact with skin	Wash the affected areas with cold water. Consult a dermatologist if necessary.
Contact with eyes	If there is any irritation, wash with plenty of water until the irritation resolves (at least 10 minutes). Consult an ophthalmologist if necessary.
Ingestion	Ingestion during handling is unlikely. Ingestion of small quantities has no significant effects. Ingestion of large amounts can cause abdominal pain and diarrhoea. Consult a physician if necessary.

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 flmes.
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.
Peronal 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	
Melting Range (°C):	From 160 to 165
Flash Point (ASTM D 1929) (°C):	± 350.
Auto-ignition Temperature (°C):	> 380.
Explosion Limits (kg/m³)	
Lower:	0.020 (for polymer dust < 63 pm)
Min. ignition Energy at 20°C (mJ)	
Density, mass at 20°C (kg/m³):	905 (ISOI183)
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.

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11. Toxicological Information

Acute toxicity
Symptoms related to Use:

Inhalation	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.
Skin Contact	No risk for temperatures below 40oC. Contact with hot material may cause severe thermal burns.
Eye Contact	Fine dust may cause irritation to ocular mucous, splashing of molten droplets causes ocular tissue injury.
Ingestion	Minimal toxicity.
Carcinogenicity (mg/kg)	IARC (International Agency on Research on Cancer): Category 3: The agent is not classifiable as to its carcinogenicity to humans.
Mutagenicity	This product has been found to be non-mutagenic as well as non-genotoxic.
Other	Polyolefines are biologically inert.

12. Ecological Information

Information on Ecological Effects	Avoid losses to the environment whenever possible.

Mobility:

Air	There is a slow loss by evaporation.
Soil	Because of its physicochemical properties, the product generall has low soil mobility.
Water	Because of its low solubility the product should not be dangerous for aquatic life.
Persistence and Degradability	Persistent in the environment.
Biodegradation	This substance is slowly biodegradable.
Bioaccumulative Potential	Potential bioaccumulation of the product in environment is very low.

13. Disposal Considerations

Disposal	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.

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.

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16. Other information

Danish Fibres documents, including all drawings, proposed procedures and specifications are exclusively general information.

Details can be changed without prior warning. Practical application of the information requires independent, professional consul-tancy and verification of its precision, suitability and usability. The user alone shall be liable for the actual application of the products, including the choice of product, the use, the design, the production or the test of the materials in which our products are used.

Danish Fibres shall not be held liable for the end products or for the use of our products.

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