

Material Safety Data Sheet

Product name: Finsulate Antifouling Wrap

1. Identification of the product and of the company

- 1.1. Product name: Finsulate Antifouling Wrap
- 1.2. Intended use: Physical fouling-resistant wrap supplied as pressure sensitive adhesive tape
- 1.3. Company: Finsulate
P.O. Box 191
2130 AD Hoofddorp
The Netherlands
- Contact person: Product Safety Coordinator
E-mail: info@finsulate.com
- 1.4. Emergency telephone: +31 (085) 065 3470 (during normal office hours)

2. Hazard identification

This product is not considered to be dangerous to man and the environment.

There is no evidence to suggest that this material constitutes adverse physicochemical, human health and environmental effects and symptoms during use and handling under normal safe working conditions.

The application can produce fiber fly, to avoid the risk of inhalation reduce potential exposure. If particles contact the eye, mechanical irritation may result.

3. Composition / information on ingredients

- 3.1. Product composition: Multilayered.
- Polyamide 6.6 flock fibers (CAS 32131-17-2)
 - Cured acrylic adhesive
 - Polyester film
 - Adhesive is acrylic adhesive consisting of a combination of resin, copolymer, stabilizer and crosslinker
 - Liner is a siliconized paper

3.2. Hazardous components

This product does not contain substances in concentrations above the threshold limits mentioned in Annex 2, § 3 of Regulation (EC) 1907/2006.

4. First aid measures

- Skin contact:** If the skin would be irritated after prolonged contact, clean the skin with water and soap. In case of fire, the molten product may cause burns. Rinse thoroughly with water. Do not remove clothing as it could stick to the skin. Seek medical assistance immediately.
- Eye contact:** If a part of the product is present in the eye, treat the part as an inert particle. Irrigate with plenty of clean water for 15 minutes. Remove contact lenses for better cleaning. Call a physician if symptoms persist.
- Oral:** If a piece of the product is swallowed, rinse out mouth and drink large quantities of water. If necessary obtain medical attention.
- Inhalation:** Remove from exposure and obtain medical assistance in case of breathing difficulties.

5. Fire fighting measures

- General information:** Combustible and heat melting product. Risk of spreading fire through the melted product.
- Extinguishing agents:** Suitable extinguishing media are foam, sand, dry powder, and carbon dioxide.
Water is unsuitable in the presence of uninterrupted electrical installations.
- Dangerous products of combustion:** In case of fire, toxic gases depending of temperature and oxygen availability are produced: carbon dioxide, carbon monoxide, cyanide acid, oxides of nitrogen, organic decomposition products (low molecular weight organic materials).
- Protection of fire-fighters:** In the case of fire fighting in enclosed spaces, respiratory equipment must be used.

6. Accidental release measures

The core of the product is a solid and insoluble. Therefore uncontrolled release (into air, water or soil) is highly unlikely. Fibers from the top layer of the product can be released during handling. These fibers are not a dangerous substance, remove them using a vacuum cleaner and/or a shovel or sweep it up.

7. Handling and storage

7.1. Handling:

- Static electricity:** Avoid sparks. In most processes in which there is movement of film over metal or other rollers, surface electrical charges may develop on the film. Static charges should be eliminated or reduced as much as possible, since they provide a source of ignition for flammable vapors and gasses or may give electrical shocks to operators. Use either passive or active static eliminators to reduce the charges.

- Reeling: Machine design and work practices should be organized to remove the danger of trapping parts of the body or clothing in reeled materials and between the film and machinery parts.
- Work area: Avoid accumulation of fibers released from the product in the air and on the floor by regular cleaning. Work in well-ventilated areas.
- 7.2. Storage: For quality reasons store under dry conditions, out of direct sunlight and at temperatures above 0°C and below 30°C. Keep away from fire and ignition sources. Cool and dry places are recommended.
- 7.3. Incompatible substances: Comburent substances.
- 7.4. Packing: Product is packed in cardboard boxes on recyclable packing wooden pallets
- 7.5. Specific uses: See 1.2 Intended Use.

8. Exposure controls / personal protection

- 8.1. Exposure limit values: No specific occupational and/or environmental exposure limit values apply.
- 8.2. Exposure control:
- 8.2.1. Occupational exposure controls
- Ensure sufficient ventilation.
- Respiratory protection: Protective mask is not necessary in a normal ventilated work area. In closed poorly ventilated spaces use anti-dust mask.
- Hand protection: Gloves are only necessary to protect hands from sharp edges of the tape and the abrasive action of the fibers.
- Eye protection: Eye protection (safety glasses) is not needed in a normal ventilated work area. In closed poorly ventilated spaces use safety glasses with side shield.
- Skin protection: Apply general measurements of normal hygiene.
- 8.2.2. Environmental exposure controls: No specific environmental exposure controls values apply to the complete product.

9. Physical and chemical properties

9.1. General Information

Physical state:	The product is solid, supplied in film format and wound in rolls. May release short textile fibers.
Odor:	Slight smell.
Color:	Fibers: raw white and colored; Film: black; Adhesives: clear or black; Liner: white.

9.2. Important health, safety and environmental information:

pH value:	not defined (solid product)
Melting range:	flock fibers 250-260°C
Decomposition temperature:	not defined for the product (solid product); flock fibers > 350°C
Flashpoint:	not defined for the product (solid product)
Ignition temperature:	not defined for the product (solid product); flock fibers > 400°C (closed cup)
Auto-ignition temperature:	not defined for the product (solid product); flock fibers 450°C
Relative density:	690 g / m ²
Solubility in water:	Pressure sensitive adhesive - negligible; flock fibers - insoluble

9.3. Other:

Information on physical and chemical characteristics is based upon tests we believe to be reliable. The values listed herein are typical values and are not for use in specifications. They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of this material to their specific use.

All technical data are subject to change.

10. Stability and reactivity

The product is stable under normal operating conditions.

11. Toxicological information

Non-toxic. No particular risks in normal conditions of industrial hygiene.

12. Ecological information

Do not allow flock fibers to pollute ground water, water bodies or sewage system.

Ecotoxicological effects:	None
Mobility:	Not applicable
Persistence and degradability:	Parts of the product will slowly degrade under exposure to UV-light.
Bioaccumulative potential:	Not applicable

This product is not associated with any known adverse environmental effects.

13. Disposal considerations

The flock product can be disposed as non-hazardous waste in a licensed disposal plant in accordance with local authority's regulations. The material can also be burned in a licensed incineration plant.

14. Transport information

The material is not a hazardous good by any means for transportation. The product does not have any restricted classification.

15. Regulatory information

Product labeling according to Directive 1999/45/EC: None

Other provisions in relation to protection of man or the environment at Community level:

- Restrictions and authorization according to Regulation (EC) 1907/2006: None
- Vbf: Not applicable

16. Other information

None

Revision:	first edition
Previous version:	not applicable
Changes:	not applicable

**This information is given in good faith and is based on our present knowledge and experience but no warranty, express or implied, is made.
For further information, please consult Finsulate.**

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