

Safety Data Sheet EU Directive: 2001/58/EC**TEKNOFIBRA**

Safety Data Sheet Notice: Update according to new formulation for :
AIT-TK-FIB/2, AIT-TK-FIB/4, AIT-TK-ROL/2, AIT-TK-ROL20/4, AIT-TK/15G, AIT-TK/25G, AIT-TK/40G, AIT-TK-MET/4, AIT-TK-TAPE & AIT-TK-TAPE/45.
Changes versus previous issue of this Safety Data Sheet: Regulatory classification(s)

Black felt**1. Identification of the Substance / Preparation and of the Company****1.1 Identification of the Substance or Preparation**

Product: TEKNOFIBRA

1.2 Emergency Telephone

+39 (0) 220359

2. Composition / Information on Ingredients

Oxidised fibres

Hazardous Component(s)	EINECS/ELINCS #	CAS #	Conc.
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Oxidised fibres are not classified as dangerous according to Directive 1999/45/EC.

Oxidised fibres are not classified as dangerous according to Directive 67/548/EEC.

Possible additives or fibre dressings are addressed in separate safety data sheets.

3. Hazards Identification

Oxidised fibres are not classified as dangerous according to Directive 1999/45/EC.

Oxidised fibres are not classified as dangerous according to Directive 67/548/EEC.

Processing of any fibre may lead to fly (dust) formation.

Some individuals with asthma or bronchitis or similar respiratory sensitivity may be intolerant to high concentrations of fibre in the air.

Important hazards

- Health / physical hazard(s)

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Eye contact:	Irritating to the eyes.
Skin contact:	Prolonged exposure may cause skin irritation.
Ingestion:	Possible mild gastro-intestinal irritation.
Inhalation:	Inhaling of particles may cause mild irritation of the respiratory system.

Please refer to section 16 (Relevant R Phrases, used in sections 2 and 3 of this SDS), where the full text of each relevant R phrase is listed.

- Environmental hazard(s)
The product is not classified as dangerous for the environment.

4. First Aid Measures

Symptoms and Effects Exposure to high levels of fibre fly during processing may lead to irritation of the eyes, respiratory system and possibly skin.

Eye Contact Flush immediately with plenty of running water.
If irritation persists, seek medical advice.

Skin Contact Wash immediately with plenty of soap and water. Remove contaminated clothing. If irritation persists, seek medical advice.

Ingestion Drink water to assist with dilution.
Do not induce vomiting.
Act immediately in order to prevent further irritation of mouth, throat and stomach mucosa.
If symptoms persist, if persistent vomiting occurs or if blood tinged vomitus is present, seek medical advice.

Inhalation Go into the open air. If irritation is experienced, mouth and throat may be rinsed with water. Particles adhering to the nasal cavity may be rinsed / diluted with saline / plain water. If irritation or asthma-like symptoms persist, seek medical advice.

5. Fire-Fighting Measures

Extinguishing Media

- Suitable Carbon Dioxide, Dry Chemicals, Foam, Water Fog.
- Unsuitable Direct Water Spray

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Special Protective Equipment for Fire Fighters

Self-contained breathing apparatus (BS EN 137)
Protective clothing (BS EN 469)
Protective gloves (BS EN 659)
Helmet (BS EN 443)

Special Exposure Hazards

Not explosive. Not auto-flammable. Not flammable.
The product itself will not burn. If anything, packaging may be involved in a fire.
Fibre or dust may glow in an oxygen-containing atmosphere above 350°C.
When glowing, and during combustion CO / CO₂ is generated as well as the potential release of degradation products such as NH₃, HCN, and monomeric acrylonitrile.

6. Accidental Release Measures

Personal Precautions

Wear protective clothing, gloves and safety goggles.
Please refer also to section no. 8 'Exposure Controls' for further information.

Environmental Precautions

Avoid dust / fibre spillage into drains, sewers or surface water.

Methods for Cleaning Up

Scoop up dust / fibres mechanically, ideally with a vacuum cleaner and rework / dispose as per local legislation.

7. Exposure Controls

7.1 Exposure Limit Values

UK occupational exposure limit for 'total inhalable dust' is 10mg m⁻³, (8-hour time weighted average) and for 'respirable dust' is 4mg m⁻³ (8-hour time weighted average).

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8.2 Exposure Controls

Controlling exposure to fibre as supplied should not be necessary but, in common with other fibres, exposure to dust (fly) or fumes resulting from processing should be controlled. Ensure good ventilation of the working area. In critical areas, extraction systems should be fitted. Cleaning should wherever possible be done using a vacuum cleaner. Guidance on the general principles of protection against dust is available in a UK Health and Safety Executive publication – see section 16.

- Recommended Engineering Controls

Adequate ventilation to maintain air contaminants below exposure limits.

- Respiratory Protection

In case of insufficient ventilation, use a breathing mask with filter type: P2 BS EN 140; BS EN 143; BS EN 149

- Hand Protection

Protective gloves (plastic, impervious) (Protection against unintentional short-term contact) BS EN 420

- Eye Protection

Safety Glasses. BS EN 166

- Skin Protection

Protective clothing type 5. prEN ISO 13982-2

- Environmental Exposure Controls

Prevent from entering into public sewers or the immediate environment.

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8. Physical and Chemical Properties

8.1 General Information

- Appearance Solid
- Odour None
- Colour Black / Grey

8.2 Important Health, Safety and Environmental Information

- pH: n/a
- Boiling point / boiling range: n/a
- Flash point: n/a
- Flammability: n/a
- Explosive properties: n/a
- Oxidising properties: n/a
- Vapour pressure: n/a
- Relative density: 0,078 g/cm³ at 20°C
- Solubility: Insoluble in water
- Partition coefficient: n-octanol / water: n/a
- Viscosity: n/a
- Vapour density: n/a
- Evaporation rate: n/a

8.3 Other Information

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9. Stability and Reactivity

10.1 Conditions to avoid	No special requirement
10.2 Materials to avoid	No special requirement
10.3 Hazardous decomposition products	None known

10. Toxicological Information

The chemicals applied to its surface to aid downstream processing govern the toxicological properties of the fibre finishes and antistats.

Exposure Hazard

-	Inhalation	May cause irritation to respiratory organs
-	Skin Contact	May cause irritation
-	Eye Contact	May cause irritation
-	Ingestion	May cause slight irritation

11. Ecological Information

12.1 Ecotoxicity	None known
12.2 Mobility	None known
12.3 Persistence and Degradability	None known
12.4 Bioaccumulative Potential	None known
12.5 Other Adverse Effects	None known

Remarks

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects to the environment. The evaluation of environmental hazards is based on the concentration limits as set out in Directive 1999/45/EC

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12. Disposal Considerations

Disposal should be in accordance with relevant national or local regulations pertaining to the disposal of non-hazardous waste.

Disposal of Product

European Waste Code (EWC)

recommendation: 07 02 99

07 Wastes from organic chemical processes.

07 02 Wastes from the MFSU of plastics, synthetic rubber and man made fibres.

07 02 99 Wastes not otherwise specified.

Depending on the origin and state of the waste, other EWC numbers may be applicable too.

13. Regulatory Information

Labelling

Not classified as dangerous for supply under Directives 67/548/EEC and 1999/45/EC (as amended and adapted to technical progress) – implemented in the UK by The Chemicals (Hazard Information and Packaging for Supply) Regulations 1994 (as amended 2002).

14. Other Information

**Relevant Risk Phrases,
associated with sections
2 and 3 of this SDS**

R36 : Irritating to eyes

R37 : Irritating to respiratory system

R38 : Irritating to skin

R42 : May cause sensitisation by inhalation.

R43 : May cause sensitisation by skin contact.

Training and related advice

This document contains important information to ensure safe storage, handling and use of this product. The information in this document should be brought to the attention of the person in your organisation responsible for advising on safety matters.

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Other Literature

Dust : General Principles of Protection. Guidance
Note EH44 UK Health and Safety Executive. ISBN
0-7176-1435-2
Safe Handling of Bales: UK Health and Safety
Executive. ISBN 0-7176-0692-9

Based on EC Directive(s)

67/548/EEC. 1999/45/EC. 2001/58/EC

Nature of Revision

A document review led to changes to the document
structure.

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Adhesive

Pressure Sensitive Tape Product

1. Product

Double Coated Polyester Tape.

2. Hazardous Components

The above listed products may contain one or more hazardous chemical components. However due to their incorporation into the structure of the products, exposure to such components is not anticipated under normal conditions of use. See section 14 for further discussion.

3. Description of Hazards

Exposure to hazards of chemical components is not anticipated in normal use,

4. First Aid Measures

Clean and dress wound if cut by product edge. There are no known acute immediate effects requiring treatment as a result of the use of this product as supplied.

5. Fire-fighting Measures

All extinguishing chemicals and methods are applicable. Self-contained, positive pressure breathing apparatus should be used if available in fire conditions. Fire or very high temperatures (not normal conditions of use) can cause release of toxic smoke and fumes.

6. Accidental Release Measures

Not applicable.

7. Exposure controls and Personal Protection

None required in normal use. Exercise care to avoid paper cuts from sheet edges.

8. Physical and Chemical Properties

Product is a manufactured article in the form of a flexible sheet or strip. Contains some combination of two or more of the following major material components paper, plastic film, aluminum foil, reinforcing yarn, adhesive.

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9. Stability and Reactivity

Hazardous decomposition will occur only under fire conditions. Various harmful compounds could be formed during combustion. No hazards associated with normal use.

10. Toxicological Information

Although hazardous chemicals may be used in this product, exposure to those chemicals and possible hazardous effects will not occur with the product in this form, in normal use.

11. Ecological Information

The anticipated instances of release into the environment would be during disposal of scrapped materials, of which this product could be a part or waste during use. Other than the paper component, the materials of construction are very resistant to biodegradation and are not water soluble.

12. Disposal considerations

Dispose of per appropriate local regulations. Product is not recyclable.

13. Regulatory Information

No known regulations apply.

14. Other Information

Per the Code of Federal Regulations 1910.1200, this product is considered to be an article, defined in the regulation as “a manufactured item other than a fluid or particle which is formed to a specific shape or design during manufacture; its end use function(s) depend in whole or in part upon its shape or design during end use; and which does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical, and does not pose a physical hazard or other risk to employees.”

Although this product may contain hazardous components, we do not believe those hazards are present as manufactured or when used. Since the product meets the definitions of an article, it is technically not subject to this regulation or MSDS reporting. This document is provided for informational purposes, and is not meant to imply that this product is hazardous.

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Heat reflecting Self-adhesive Teknofibra

1. Handling and Storage

Handling

Use care to avoid paper cuts from sheet edges. Not other special handling or storage precautions apply in respect to potential hazards.

The product can be supplied in cartons or rolls. Cartons and rolls should be handled with suitable mechanical devices e.g. clamp or forklift truck.

Personnel should wear suitable protective clothing, including eye protection (goggles or face shield) and industrial gloves.

Avoid contact with skin and eyes.
Arrange for suitable eye wash facilities.
Ensure good ventilation.

2. Disposal of Packaging

European Waste Code (EWC) recommendation: 20
01 01 and 20 01 39 -
20 Municipal Wastes
01 Separately collected fractions
39 Plastics

Depending on the origin and state of the waste,
other EWC numbers may be applicable too.

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3. Storage

Ideally the bobbins should be stored protected by a plastic film on shelves designated with floor or tied on wooden pallets.

If badly stacked may fall, causing serious injuries.

Floors should be level and firm.

Do not stack into individual lines.

Do not stack up against the walls.

Do not climb on stacks of bobbins.

They must be used with forklift driver protection in head.

Provide adequate space (at least 2.8 m) between rows for forklift access and fire, and a distance of at least 0.5 meters above the tops of the coils and any sprinklers present.

4. Transportation Information

Not classified as dangerous for conveyance under The Carriage of Dangerous Goods (Classification, Packaging and Labelling) and Use of Transportable Pressure Receptacles Regulations 1996, or under European agreement concerning international carriage of goods by road (ADR) or rail (RID), or the international agreement for carriage by sea (IMDG) or air (ICAO / IATA).

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