

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006 (REACH)

Trade name: **Metallized Birkelbachfilm Polyethyleneterephthalate**

Issued: June 2nd, 2017

Revision: 04

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1 Identification of the substance / preparation and of the company

Product details

Trade name:	Metallized Birkelbachfilm Polyethyleneterephthalate
Article:	PTMA(W) (PET film with aluminum) PTMZ(W) (PET film with zinc) PTMAR(W) (PET film with aluminum and heavy edge) PTMZR(W) (PET film with zinc and heavy edge) PTMAZR(W) (PET film with aluminum and zinc heavy edge) PTMAD (PET film with aluminum, double-sided) (W) = wave cut
Use:	Film capacitors
Company identification:	Birkelbach Kondensatortechnik GmbH Im Grünewald 4 D-57339 Erndtebrück
E-Mail (competent person):	info@birkelbachfilm.de
Emergency telephone:	+49-(0)2753-5946-0

2 Hazards identification

Classification: none.

Informations pertaining to special dangers for human and environment: none

Classification system:

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

3 Composition / Information on ingredients

Chemical characterization:

Polyethylene terephthalate film (CAS: 25038-59-9) metallized with aluminum 99.98 % (CAS: 7429-90-5) and/or zinc 99.99 % (CAS: 7440-66-6).

Hazardous ingredients:

EC-No. CAS-No. Chemical name wt. % Class. R-Phrases

not applicable

Remarks: The classification of a product would be indicated under chapter 15.

Full wording of R-phrases see chapter 16.

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4 First aid measures

General information:

In case of inhalation: considering the physical form of the product, inhalation is not likely to be possible during normal use

In case of skin contact: wash off with water and soap.

In case of eye contact: rinse opened eye with water for several minutes

In case of ingestion: considering the physical form of the product, ingestion is not likely to be possible

Information to physician:

5 Fire-fighting measures

Suitable extinguishing media:

Powder, carbon dioxid, foam.

Extinguishing media which must not be used for safety reasons:

Water

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:

In case of fire product may form: carbon oxides, metal oxides, organic crack products.

Protective equipment:

Do not inhale combustion gases. Wear self-contained breathing apparatus.

6 Accidental release measures

Personal precautions:

Collect film in order to avoid possible slipping of people. See also chapter 8.

Environmental precautions:

No special measures required

Methods for cleaning up/collecting:

Remove mechanically. Dispose of in accordance with chapter 13.

7 Handling and storage

Handling

Advice on safe handling:

Product does not present special safety requirements during handling.

Precautions in case of fire and explosion:

No special measures required.

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Storage

Requirements for storage areas and containers:

No special measures required.

Further information:

Store dry between 10 – 25 °C. Keep away from flame or excessive heat. Avoid any moisture condensation. Keep out of the reach of children.

8 Exposure controls / personal protection

Components with critical values that require monitoring at the workplace:

not applicable

General hygiene measures:

When using do not eat, drink or smoke.

Personal protection equipment

Respiratory protection: not required

Hand protection: not required

Eye protection: not required

Body protection: not required

9 Physical and chemical properties

Physical state: solid

Color: colorless / silver

Odor: odorless

Safety-relevant data

Melting point/range: not determined

Boiling point/range: not applicable

Flash point: not applicable

pH-value (as is): not applicable

Density (g/ml): not determined

Water solubility: insoluble

10 Stability and reactivity

Conditions to avoid:

Stable and unreactive under normal conditions of use.

Materials to avoid:

Strong acids and bases. Reaction with strong acidity by formation of hydrogen.

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Hazardous decomposition products:

None with proper storage and handling.

11 Toxicological information

Acute toxicity:

Primary irritation:

Skin contact: no irritant effect

Eye contact: no irritant effect

Sensitization: no sensitization effects known

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information

Ecotoxicity:

Harmful effects on man and environment (ecologically negative effects) are hitherto unknown and are not to be expected.

With proper handling and use as intended the product has, in our considerable experience with building materials and according to the information available to us, no ecotoxic effects. In general not water-hazardous.

13 Disposal considerations

Product

Recommendation: Dispose of in accordance with all applicable local, regional or national regulations.

Uncleaned packaging

Recommendation: in accordance with local and national regulations.

14 Transport information

The product is no dangerous good according to transport regulations.

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15 Regulatory information

Classification and labeling in accordance with EC directives:

The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version.

Hazard symbol(s): not applicable

Classification: not applicable

Hazardous components for labeling: not applicable

R-phrases: not applicable

S-phrases: not applicable

National legislation

For the distribution or handling please comply with the national (regional) regulations or any other national measures that may be relevant.

16 Other information

R-phrases of components from chapter 3 – full wording:
not applicable

Additional information

The information provided in this Safety Data Sheet is correct to our best knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

Safety data sheet issued by:

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