

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

**Trade name: Metallized Birkelbachfilm Polypropylene**  
**Issued: June 2<sup>nd</sup>, 2017**  
**Revision: 04**

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### 1 Identification of the substance / preparation and of the company

#### Product details

**Trade name:** Metallized Birkelbachfilm Polypropylene

**Article:** PPMA(W) (PP film with aluminum)  
PPMZ(W) (PP film with zinc)  
PPMAR(W) (PP film with aluminum and heavy edge)  
PPMZR(W) (PP film with zinc and heavy edge)  
PPMAZR(W) (PP film with aluminum and zinc heavy edge)  
(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:**  
Coextruded PP film (CAS: 9003-07-0) 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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