



# Material Safety Data Sheet (MSDS)

Version: 1.0  
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## 1. Identification of substance

### Polypropylene foil

#### 4films skin digital

REACH registration number: -  
Use of substance/preparation: Manufacture of paper and paper products

### Company/undertaking identification

Manufacturer/Supplier:  
4films GmbH . Thüringer Straße 14 . 37269 Eschwege  
Telephone: +49 (0) 5651 7494-245

### Further remarks:

4films GmbH  
Information Telephone: +49 (0) 5651 7494-245  
Information Telefax: +49 (0) 5651 7494-246  
E-Mail (competent person): info@4-films.com  
Website: www.4-films.com

### Emergency telephone:

Telephone: +49 (0) 30 19240  
Giftnotruf Berlin, Berliner Betrieb für Zentrale Gesundheitliche Aufgaben, Institut für Toxikologie

### Dept. Responsible for information:

4films GmbH

## 2. Composition and Information on Ingredients

### 2.1. Product Name

4films skin digital

### 2.2. Mixtures

Description: Polypropylene modification  
Dangerous components: not applicable  
SVHC: Not applicable.

## 3. Hazards Identification

### 3.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:  
The product is not classified, according to the CLP regulation



<b>3.2. Label elements</b>	Labelling according to Regulation (EC) No 1272/2008 not applicable	
	Hazard pictograms	not applicable
	Signal word	not applicable
	Hazard statements	not applicable
<b>3.3. Other hazards</b>	Results of PBT and vPvB assessment	
	PBT	Not applicable
	vPvB	Not applicable

## 4. First Aid Measures

### 4.1. Description of first aid measures

General Information	No special measures required.
Eye Contact	Rinse opened eye for several minutes under running water.
Skin Contact	The product does not irritate the skin.
After Swallowing	In case of persistent symptoms consult physician.

### 4.2. Most important symptoms and effects, both acute and delayed

No further relevant information available.

### 4.3. Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## 5. Fire-Fighting Measures

### 5.1. Extinguishing media

Suitable extinguishing agents CO<sub>2</sub>, extinguishing powder or water jet.  
Fight larger fires with water jet or alcohol-resistant foam.

### 5.2. Special hazards arising from the substance or mixture

No further relevant information available.

### 5.3. Advice for firefighters

Protective equipment: Do not inhale explosion gases or combustion gases.

## 6. Accidental Release Measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Not required.

### 6.2. Environmental precautions

No special measures required.



### 6.3. Methods and material for containment and cleaning up

Collect mechanically.

### 6.4. Reference to other sections

See Section for information on safe handling

See Section for information on personal protection equipment

See Section for information on disposal

## 7. Handling and storage

### 7.1. Precautions for safe handling

Store in cool, dry place in tightly closed containers.

#### Information about protection against explosions and fires

No special measures required.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Storage

Requirements to be met by storerooms and containers:

No special requirements.

Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

None.

Storage class 11

### 7.3. Specific end use(s)

No further relevant information available.

## 8. Exposure Control / Personal Protection

### 8.1. Control parameters

Components with critical values that require monitoring in the workplace

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

#### Additional information

The lists that were valid during the compilation were used as basis.

### 8.2. Exposure controls

Additional information about design of technical systems: No further data; see item 7.

#### Personal protective equipment

General protective and hygienic measures.

Standard precautionary measures for handling chemicals are to be observed.

Wash hands during breaks and at the end of work.

Vacuum clean contaminated clothing. Do not blow or brush off contamination.



Breathing equipment	Not required.
Protection of hands	Not required.
Material of gloves	No special requirements.

#### Penetration time of glove material

The exact time limit until penetration has to be found out from the manufacturer of the protective gloves; please ensure that this value is not exceeded.

Eye protection	Not required.
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## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>General Information</b>	Appearance	
	Form:	Solid material.
	Colour:	According to product specification
	Smell:	Odourless
	Odour threshold:	Not determined.
<b>pH-value</b>	Not applicable.	
<b>Change in condition</b>	Melting point/freezing point:	>180 °C
	Initial boiling point and boiling range:	Not determined
<b>Flash point</b>	280 °C	
<b>Inflammability (solid, gaseous)</b>		Not determined.
<b>Ignition temperature</b>	> 380 °C	
<b>Decomposition temperature</b>		Not determined.
<b>Spontaneous combustion</b>	Product does not undergo spontaneous combustion.	
<b>Explosive properties</b>	Product is not explosive.	
<b>Critical values for explosion</b>	Lower:	Not determined.
	Upper:	Not determined.
<b>Vapour pressure</b>	Not applicable.	
<b>Density at 20 °C</b>	0.95 g/cm <sup>3</sup>	
	Relative density	Not determined.
	Vapour density	Not applicable.
	Evaporation rate	Not applicable.
<b>Solubility in/Miscibility with distribution ratio (n-octanol/water)</b>	Water:	Unsoluble
		Not determined.
<b>Viscosity</b>	dynamic:	Not applicable.
	kinematic:	Not applicable.
<b>Solvent content</b>	Solid content:	100.0 %

### 9.2. Other information

No further relevant information available

#### VOC - Volatile Organic Compounds

European Union	0.00 %
Switzerland	0.00 %
USA	0.0 g/l / 0.00 lb/gal
(less water and less exempts)	



## 10. Stability and reactivity

- 10.1. Reactivity** No further relevant information available.
- 10.2. Chemical stability** Thermal decomposition / conditions to be avoided:  
No decomposition if used according to specifications.
- 10.4. Conditions to avoid** No further relevant information available.
- 10.5. Incompatible materials** No further relevant information available.
- 10.6. Hazardous decomposition products**  
No dangerous decomposition products known

## 11. Toxicological information

### 11.1. Information on toxicological effects

**Acute toxicity** Based on available data, the classification criteria are not met.

**LD/LC50 values that are relevant for classification:** void

**Primary irritant effect** to the skin: Based on available data, the classification criteria are not met.  
to the eye: Based on available data, the classification criteria are not met.

#### **Respiratory or skin sensitisation**

Based on available data, the classification criteria are not met.

#### **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

**STOT-single exposure** Based on available data, the classification criteria are not met.

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

## 12. Ecological information

### 12.1. Toxicity

**Aquatic toxicity** No further relevant information available.

### 12.2. Persistence and degradability

No further relevant information available.

### 12.3. Bioaccumulative potential

No further relevant information available.



**12.4. Mobility in soil** No further relevant information available.

**Additional ecological information**

General notes: Generally not hazardous for water.

**12.5. Results of PBT and vPvB assessment**

PBT: Not applicable.

vPvB: Not applicable.

**12.6. Other adverse effects** No further relevant information available.

## 13. Disposal considerations

**13.1. Waste treatment methods**

European waste catalogue 20 01 39 plastics

**Uncleaned containers/packaging material**

Recommendation: Dispose of packaging according to regulations on the disposal of packagings.

## 14. Transport information

**14.1. UN-Number**

ADR, ADN, IMDG, IATA Not applicable.

**14.2. UN proper shipping name**

ADR, ADN, IMDG, IATA Not applicable.

**14.3. Transport hazard class(es)**

ADR, ADN, IMDG, IATA

Class Not applicable.

**14.4. Packing group**

ADR, IMDG, IATA Not applicable.

**14.5. Environmental hazards:** Not applicable.

**14.6. Special precautions for user:**

Not applicable.

**14.7. Transport in bulk according to**

Annex II of Marpol and the IBC Code:

Not applicable.

UN „Model Regulation“:

Not applicable.



## 15. Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Directive 2012/18/EU

Named dangerous substances - ANNEX I

None of the ingredients is listed.

LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)

None of the ingredients is listed.

REGULATION (EC) No 1907/2006 ANNEX XVII

None of the ingredients is listed.

### 15.2. Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

## 16. Other Information / References

### 16.1 4films GmbH

Thüringer Straße 14

37269 Eschwege

+49 (0) 5651 7494-245

### 16.2 Information:

The information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assure no liability resulting from its use. It is advised to make their own test to determine the safety and suitability of each such product for their own purpose.