

Safety Data Sheet

According to 1907/2006/EC and (EG) Nr. 1907/2006

Watertransfer-Printing-Film



Dieselstrasse 25
D-73660 Urbach / Rems
Telefon +49 (0) 7181 985484-0
Telefax +49 (0) 7181 985484-22

Watertransfer-Printing Film

1. Identification of the substance/preparation and of the company/undertaking

- **Product details/Trade name:** **Watertransferprinting-Film**
- **Manufacturer/Supplier:** WT - Direct UG
3-D Wassertransferdrucksysteme & Zubehör
Dieselstraße 25
D-73660 Urbach
- **Further information obtainable from:**
Information in case of emergency:
Telephone: +49-7181-9854840
Telefax number: +49-7181-98559822
E-Mail: info@wt-direct.de
- **Product use:** Only for industrial use.

2. Hazards identification

No hazardous product as specified in Directive (EG) Nr. 1272/2008 and Directive (EG) Nr. 1907/2006

3. Composition/information of ingredients

Hazardous ingredients: none

Chemical characterization:*	CAS-Nr.	%	EG-number	Classification

4. First Aid Measures

- After inhalation: fresh air.
- After skin contact: wash off with plenty of water. Remove contaminated clothing.
- After eye contact: rinse out with plenty of water.
- After swallowing: immediately make victim drink water (two glasses at the most).
Consult a physician.

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5. Fire-fighting measures

Suitable extinguishing media:

Water, Carbon dioxide (CO₂), Foam, Dry powder

Specific hazards during fire fighting:

Combustible material

In case of fire toxic gases or vapours may be possible

Development of hazardous combustion gases or vapours possible in the event of fire.

Special protective equipment for fire-fighters

Do not stay in dangerous zone without self-contained breathing apparatus. In order to avoid contact with skin, keep a safety distance and wear suitable protective clothing.

Further information:

Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. Accidental release measures

Personal precautions:

None

Environmental precautions:

None

7. Handling and storage

Handling

Keep plastic bag sealed and dry.

Storage

Protect from heat and sun radiation.

8. Exposure controls/personal protection

Personal protective equipment:

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

For the pure films no protective equipment necessary

Technical measures:

When working with watertransfer-printing-films **and** activator, please note instructions in the MSDS of the activator.

Hygiene measures:

Change contaminated clothing. Apply skin- protective barrier cream. Wash hands and face after working with substance.

Printing date: June 2010

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9. Physical and chemical properties

Form:	solid
Colour:	colourless
Odour:	odourless
pH:	4,5 - 7,0 at 40 g/l 23 °C
Viscosity, dynamic:	no data available
Melting point:	> 200 °C
Boiling point/boiling range:	not applicable
Ignition temperature	> 230 °C
Flash point:	no data available
Oxidizing properties:	no data available
Flammability:	no data available
Lower explosion limit:	no data available
Upper explosion limit:	no data available
Vapour pressure:	no data available
Relative vapour density:	no data available
Density	ca. 1,3 g/cm ³ at 20 °C
Water solubility at 20 °C:	soluble
Partition coefficient:	
n-octanol/water:	no data available
Evaporation rate	no data available

10. Stability and reactivity

Conditions to avoid

Heating.

Materials to avoid

reactions possible with: Strong oxidizing agents

Hazardous decomposition products

no information available

Further information

no information available

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11. Toxicological information

Acute oral toxicity

LD₅₀ rat

Dose: > 2.000 mg/kg

Method: OECD Test Guideline 401

Acute dermal toxicity

Symptoms: none

Skin irritation

rabbit

Result: No irritation

(External MSDS)

Eye irritation

rabbit

Result: No irritation

(External MSDS)

Further information

Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.

Other information

Handle in accordance with good industrial hygiene and safety practice.

12. Ecological information

Toxicity to fish

LC₅₀

Species: Danio rerio (zebra fish)

Dose: > 10.000 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

Persistence and degradability

Biodegradability

Result: Easily eliminable.

> 90 %

OECD Test Guideline 302B

Chemical Oxygen Demand (COD)

1.600 mg/g

(External MSDS)

Other ecological information

The film is following the conventional method of preparation directive 1999/45/EC not classified as dangerous for the environment.

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13. Disposal considerations

Product

Chemicals must be disposed of in compliance with the respective national regulations.

Packaging

The product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system.

14. Transport Information

Not classified as dangerous in the meaning of transport regulations

15. Regulatory information

CAS-No. 25213-24-5

Labelling according to EC Directives

The product does not need to be labelled in accordance with EC directives or respective national laws.

National legislation

Storage class VCI: 10 - 13 Other liquids and solids

Major Accident Hazard Legislation: 96/82/EC Update: 2003
Directive 96/82/EC does not apply

16. Other information

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.