

**Safety Data Sheet acc. to 1907/2006/EC****CD-/DVD-Marker 441****Pelikan Vertriebsgesellschaft mbH & Co. KG****1. Identification of the substance/preparation and the company**

**Trade name:** CD-/DVD-Marker 441

**Application of the substance/preparation:** Consumer and/or professional use

**Manufacturer/Supplier:** Pelikan Vertriebsgesellschaft mbH & Co. KG  
**Street/PO. Box:** Postfach 11 07 55  
**Nat. Code/Location:** D-30102 Hannover Tel.: +49(0)511-6969-0

**Further information obtainable from:**  
- Chemical Laboratory Tel.: +49(0)5171-299-0 Fax: +49(0)5171-299-249  
- Institut für Umwelttechnik Tel.: +49(0)511-12194-0 Fax: +49(0)511-12194-23  
Dr. Kühnemann und Partner GmbH E-Mail: [ifu@kuehnemann.de](mailto:ifu@kuehnemann.de)

**Information in case of emergency:** Tel.: +49(0)511-12194-0 (Monday – Friday from 9 am till 5 pm)

**2. Hazards identification**

**Hazard description:** No dangerous preparation according to 1999/45/EC  
No hazards if used for intended purpose

**Additional Information concerning particular hazards for human and environment:** None

**3. Composition / information on ingredients**

**Chemical characterization:** Body: Polypropylene  
Ink: Organic dyestuff and additives in alcohol

**Dangerous components of ink according to 1999/45/EC:**

CAS-No.	EG-No.	Name	Classification Symbol	R-phrases ( Pkt. 16)	%
64-17-5	200-578-6	ETHANOL	F	11	80-90

**4. First aid measures (ink)**

**After inhalation:** Intake of fresh air

**After skin contact:** Rinse with soap and water. Seek medical advice if necessary

**After eye contact:** Rinse with water. Seek medical advice if necessary

**After swallowing:** Rinse mouth with water. Seek medical advice if necessary

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<b>Suitable extinguishing agents:</b>	Water mist, foam, powder, carbon dioxide
<b>For safety reasons unsuitable extinguishing agents:</b>	Water jet
<b>Special exposure hazards arising from the product itself, from combustion products or from resulting gases:</b>	Formation of common combustion products
<b>Special protective equipment for fire-fighters:</b>	Use self-contained breathing apparatus

**6. Accidental release measures (Ink)**

<b>Person-related safety precautions:</b>	Don't inhale fumes
<b>Measures for environmental protection:</b>	No special measures necessary
<b>Measures for cleaning / collecting:</b>	Pick up with absorbent material and dispose according to point 13

**7. Handling and storage**

<b>Handling:</b>	No special measures necessary
<b>Storage:</b>	No special measures necessary
<b>Additional information:</b>	None

**8. Exposure controls and personal protection****Ingredients with limit values that require monitoring at the workplace:**

ETHANOL, CAS-Nr.: 64-17-5

Specification: TRGS 900 - German Occupational Exposure Limit Values

Value: 500 ppm / 960 mg/m<sup>3</sup>

Peak limitation: 2(II) duration 15 min, mean; 4 times per shift; interval 1 hour

There is no reason to fear a risk of damage to the developing embryo or foetus when AGW and BGW are adhered to.

<b>Limit values of the European Union</b>	None
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<b>Personal protective equipment</b>	Not necessary if used for intended purpose
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<b>Form:</b> Liquid	<b>Colour:</b> Black, Red, Blue, Green	<b>Odour:</b>	Like alcohol
<b>Boiling range:</b>	approx. 80 °C	<b>Flashpoint:</b>	approx. 17°C
<b>Ignition temperature</b>	approx. 365°C	<b>Vapour pressure:</b>	No data available
<b>Explosion limits: lower:</b>	3, 6 Vol%	<b>upper:</b>	19 Vol%
<b>Density at 20°C:</b>	No data available	<b>Viscosity at 25°C:</b>	No data available
<b>Solubility in water:</b>	Soluble	<b>pH-value:</b>	4 - 8

**10. Stability and reactivity**

<b>Conditions/substances to be avoided:</b>	Avoid contact with strong oxidizers. Keep away from sources of ignition
<b>Dangerous decomposition products:</b>	None known if used for intended purpose

**11. Toxicological information (ink)**

<b>Acute toxicity (LD<sub>50</sub>):</b>	LD <sub>50</sub> : >7060 mg/kg rat (calculated)
<b>Additional Information:</b>	May cause irritation and dryness of skin

**12. Ecological information**

<b>Ecotoxic effects:</b>	No data available
<b>Mobility:</b>	No data available
<b>Persistence und biodegradability:</b>	No data available
<b>Bioaccumulation potential:</b>	No data available
<b>Evaluation of PBT-properties:</b>	No chemical safety assessment required

**13. Disposal consideration**

Small residues: domestic waste  
Extensive amounts according to local regulations  
European waste catalogue: EWC 15 01 10\* packaging containing residues of or contaminated by dangerous substances

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<b>UN-Nr.:</b>	n.a.	<b>Packaging group:</b>	n.a.
<b>Class:</b>	n.a.	<b>Limited quantity:</b>	n.a.
<b>Description of goods:</b>	n.a.		
<b>Hazard-determining component:</b>	n.a.		

**Maritime transport IMDG:**

<b>UN-Nr.:</b>	n.a.	<b>Packaging group:</b>	n.a.
<b>Class:</b>	n.a.	<b>EmS:</b>	n.a.
<b>Proper shipping name:</b>	n.a.	<b>Marine Pollutant:</b>	n.a.
<b>Hazard-determining component:</b>	n.a.		

**Air transport ICAO-TI and IATA-DGR:**

<b>UN-Nr.:</b>	n.a.	<b>Packaging group:</b>	n.a.
<b>Class:</b>	n.a.		
<b>Proper shipping name:</b>	n.a.		
<b>Hazard-determining component:</b>	n.a.		

**15. Regulatory information****Labelling according to 1999/45/EC:** Classification and labelling acc. to 1999/45/EC not necessary for the article CD-/DVD-Marker 441**Code letter and hazard designation of product** n.a.**Hazard-determining component of labelling:** n.a.**R- phrases:** n.a.**S-phrases:** n.a.**Safety assessment:** Safety assessments for substances in this preparation are not required**National regulations (Germany)****Water endangering class:** 1 Slightly endangering water (calculated to VwVwS)**TA-Luft:** n.a.**Statutory order on hazardous incidents (12. BImSchV):** n.a.**Statutory order on solvents (31. BImSchV):** VOC-fraction: < 90%

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**16. Other information**

**EU-guidelines / directives**

Dangerous preparation directive (1999/45/EC), Dangerous substance directive (67/548/EWG),  
REACH-directive (EG) Nr. 1907/2006

**Restriction of application recommended by the manufacturer:**

Not to be used by children

**R-phrases mentioned in chapter 2 and 3:**

R 11 Highly flammable

**Alteration to last edition**

Adaptation to REACH-directive (EC) Nr. 1907/2006

This information is based on our present knowledge and describes the product ready for distribution especially the safety aspects. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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