

## Product Information Sheet

### 1. Article and Corporate Identification

**Product:** Epson Ink Cartridge T6181

**Manufacturer/Distributor:** EPSON Europe B.V.  
Entrada 701  
1096 EJ, Amsterdam  
The Netherlands  
Internet : [www.epson-europe.com](http://www.epson-europe.com)

**Medical Emergency Number:** Giftnotruf Berlin +49 030-19240

### 2. Composition Information

*This is an aqueous ink formulation*

Ink Composition	CAS No.	% By Weight
Carbon Black	1333-86-4	<5
Colorants	-	<1
Organic materials	-	10-25
Glycerols	-	10-20
Triethanol amine	102-71-6	0-5
Water	7732-18-5	balance

### 3. Hazard Identification

Not classified as hazardous preparation under EU Directive 1999/45/EC.

**3.1 Emergency Overview:** Ink component is a black liquid that may cause eye irritation. Avoid contact with eyes or clothing. In the case of skin contact, wash with soap and water. Keep out of reach of children.

**3.2 Potential Health Effects:**

**Eyes:** Ink contact with eye may be mildly irritating. See Section 11 for Toxicology.

**Skin:** Ink contact with skin may cause irritation, swelling, or redness. It is not expected to cause an allergic skin reaction. See Section 11 for Toxicology.

**Inhalation:** Intentional exposure to ink vapors may cause respiratory irritation..

**Ingestion:** May cause upset stomach. See Section 11 for Toxicology.

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## 4. First Aid Measures

- 4.1 *Eyes:* Immediately flush with room temperature, low pressure, clean water for at least 15 minutes. Seek medical attention if eye irritation continues.
- 4.2 *Skin:* Wash surface areas with soap and water. Wash soiled clothing before rewearing. Consult a physician if irritation continues.
- 4.3 *Inhalation:* Remove subject to ventilated fresh air. Consult physician if necessary.
- 4.4 *Ingestion:* Seek medical advise; and attention if stomach continues to be upset.

## 5. Fire Fighting Measures

- 5.1 *Flammability:* Not flammable. See Section 9 for Flash Point.
- 5.2 *Extinguishing Media:* Dry chemical or carbon dioxide
- 5.3 *Fire Fighting Instructions:* No special fire fighting procedures are required other than breathing apparatus. No special explosion hazards are known.

## 6. Accidental Release Measures

*If a spill occurs, use sponges to wipe-up ink, then rinse area with damp cloth. Place waste in closed container for disposal. Use proper ventilation. Do not dispose of waste to the sewer. No eye or skin protection required during clean-up. Wash hands with soap and water.*

## 7. Precautions for Safe Handling and Use

*Keep out of reach of children and do not drink ink. Do not store the cartridge in high or freezing temperatures. Keep cartridge out of direct sunlight. Do not dismantle cartridge. Do not store cartridges with oxidizing agents or explosives. Make sure cartridge is dry before insertion into printer housing.*

## 8. Exposure Controls and Personal Protection

- 8.1 *Engineering Controls:* None required
- 8.2 *Exposure Controls:* None required
- 8.3 *Personal Protection:* None required when cartridges are used as intended.

## 9. Physical and Chemical Properties of Ink Formulation

### 9.1 General Information

<i>Physical State:</i>	Liquid
<i>Color:</i>	Black
<i>Odor:</i>	Faint odor

### 9.2 Important Health, Safety and Environmental Information

<i>pH:</i>	About 8~10 at 20°C/68°F
<i>Boiling Point:</i>	No data available
<i>Melting Point:</i>	No data available
<i>Flash Point:</i>	Not detected until 95°C/203°F(Closed cup, ASTM D3278)
<i>Autoflammability:</i>	No data available
<i>Explosive Properties:</i>	No data available
<i>Oxidizing Properties:</i>	No data available
<i>Vapor Density:</i>	No data available
<i>Relative Density:</i>	1.05~1.10 at 20 °C / 68 °F
<i>Solubility in Water:</i>	Complete
<i>Solubility in Fat:</i>	No data available
<i>Partition Coefficient:</i>	No data available

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Viscosity: No data available  
9.3 Other Information Not specified

## 10. Stability and Reactivity

Stability: Stable  
Hazardous Polymerization: Will not occur  
Hazardous Decomposition Products: None  
Incompatible Materials: Oxidizers and explosives

## 11. Toxicology and Health Hazards

Routes Of Overexposure: Eye, skin, inhalation, and oral

### Acute Health Hazards:

- Overexposure of eye surface to ink may be mildly irritating
- Overexposure of skin to ink contact may cause irritation and in some people swelling and redness
- Intentional inhalation overexposure to ink vapors may result in respiratory tract irritation
- Intentional or accidental oral ingestion may cause an upset stomach

Oral LD50: > 2000mg/kg (Rat)\*  
Dermal LD50: > 2000mg/kg (Rat)\*  
Inhalant LC50: No data available  
Eye Irritation: Non to Mild Irritant(OECD 405)\*  
Skin Irritation: Non to Mild Irritant(OECD 404)\*  
Skin Sensitization: Non-sensitiser(OECD 406 or 429)\*

### Chronic Health Hazards:

Mutagenicity: Negative (by Ames Test)\*  
Carcinogenicity: With excessive exposure, carbon black has been listed as a possible human carcinogen. However, as engineered within this ink cartridge, emissions to air of carbon black during normal printing use have not been found. IARC, the International Agency for Research on Cancer, has found printing inks to be not classifiable as human carcinogens.

Notes: \* Based on toxicology data of chemically similar material

## 12. Ecological Information

No data available on the adverse effects of this material on the environment.

## 13. Disposal Considerations

Disposal should be in accordance with national and local requirements.

## 14. Transportation Information

UN Class: Not applicable  
UN Number: Not applicable

## 15. Regulatory Considerations

### U.S. Regulations:

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*TSCA Inventory:* All components are compliant with TSCA chemical inventory regulations or exempted.

**EU Regulations:**

*EU Inventory:* All components are compliant with EU chemical inventory regulations or exempted.

Consumables are out the scope of EU Directive 2002/95/EC(RoHS).

## 16. Other Information

*This “Product Information Sheet” contains health, safety, and environmental information. It does not replace any precautionary language or use and disposal information which accompanies the product. The information contained herein is believed to be accurate at the time of preparation, but should only be used as a guide. It is subject to revision from time to time. EPSON does not warrant the completeness or accuracy of the information contained herein.*