

Product Information Sheet

1. Article and Corporate Identification

Product: Epson Ribbon Cartridge S010025

Manufacturer/Distributor: EPSON Europe B.V.

Entrada 701

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The Netherlands

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Medical Emergency Number: Giftnotruf Berlin +49 030-19240

2. Composition Information

This is an ink formulation

Ink Composition	CAS No.	% By Weight
Carbon black	1333-86-4	1 – 10 %
Proprietary dyes and pigments	-	10 – 20 %
Proprietary organic materials	-	balance

The ink is soaked into nylon ribbon.

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. See Section 11 for Toxicology.

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

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 flammabe
- 5.2 *Extinguishing Media:* Water, carbon dioxide, foam or dry chemical
- 5.3 *Fire Fighting Instructions:* Use breathing apparatus.

6. Accidental Release Measures

Should wear gloves to avoid ink sticking on hands. Rake up by hands, wipe off with cloth.

7. Precautions for Safe Handling and Use

Keep out of reach of children. 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

<i>Appearance:</i>	Nylon 66 fabric with black ink
<i>Odor:</i>	Sweet odor
<i>pH:</i>	Not applicable
<i>Boiling point:</i>	200 °C / 392 °F
<i>Melting point:</i>	-12.5 –15 °C
<i>Flash point:</i>	> 200°C
<i>Autoflammability:</i>	No data available
<i>Explosive properties:</i>	None
<i>Oxidizing properties:</i>	None
<i>Vapor density:</i>	Unknown
<i>Relative density:</i>	About 0.9
<i>Solubility in water:</i>	< 1%

Solubility in fat: No data available
Partition coefficient: No data available

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

*Based on toxicology data of chemically similar material

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

Chronic Health Hazards: None known

Carcinogenicity: With excessive exposure, carbon black has been listed as a possible human carcinogen. However, as engineered within this ribbon 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.

Mutagenicity: None (by Ames Test)*

<i>Toxicity Data:</i>	Oral LD ₅₀	Dermal LD ₅₀	Inhalant LC ₅₀
	Unknown	Unknown	Unknown

Eye irritating: Unknown

Skin irritating: Unknown

Skin sensitizing: Unknown

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/UN Number: Not applicable
DOT, IMO, or IATA : Not hazardous classification

15. Regulatory Considerations

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

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.

In consideration of our environment and world neighbors, all genuine EPSON ribbon cartridges are engineered and based on an "Ecologically Friendly" water based technology. EPSON ribbon cartridges contain no CFCs or harsh liquid solvents.