EPSON

Product Information Sheet

1. Article and Corporate Identification

Product: Epson Ribbon Cartridge S015329

Manufacturer/Distributor: EPSON Europe B.V.
Entrada 701
1096 EJ, Amsterdam
The Netherlands
Internet : www.epson-europe.com

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	< 5 %
Proprietary Organic materials	-	> 95 %

The ink is soaked into film ribbon.

3. Hazard Identification

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

3.1 Emergency Overview: Not enough data for hazardous classification. Keep out of reach of children.

3.2 Potential Health Effects:

Eyes: Not applicable

Skin: Not applicable

Inhalation: Not applicable

Ingestion: Not applicable

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 advice, and attention if stomach continues to be upset.

5. Fire Fighting Measures

5.1 Flammability: Not flammable

5.2 Extinguishing Media: Water, carbon dioxide, foam or dry chemical.

5.3 Fire Fighting Instructions: No special fire fighting procedures are required.

6. Accidental Release Measures

6.1 Personal protections: No eye or skin protection required during clean-up.

6.2 Methods for cleaning up Rake up by hands, wipe off with cloth. Do not dispose of waste to the sewer. Wash hands with soap and water.

7. Precautions for Safe Handling and Use

7.1 Handling : Keep out of reach of children and do not drink ink. Do not dismantle cartridge. Make sure cartridge is dry before insertion into printer housing.

7.2 Storage : Do not store the cartridge in high or freezing temperatures. Keep cartridge out of direct sunlight. Do not store cartridges with oxidizing agents or explosives.

8. Exposure Controls and Personal Protection

8.1 Engineering Controls: None required

8.2 Exposure Controls: No data available

8.3 Personal Protection: None required when cartridges are used as intended

9. Physical and Chemical Properties of Ink Formulation

Appearance:	Nylon 66 fabric with black ink
Odor:	None
pH:	No data available
Boiling point:	No data available
Melting point:	No data available
Flash point:	>150°C
Autoflammability:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available
Vapor density:	No data available

Relative density:	No data available
Solubility in water:	Very low
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.

Mugtagenicity: Negative (by Ames Test)*

Toxicity Data:	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.

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14. Transportation Information

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

15. Regulatory Considerations

U.S. Regulations:
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.

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.