

## Product Information Sheet

### 1. Article and Corporate Identification

**Product:** Epson Ribbon Cartridge S015047

Distributor: EPSON AUSTRALIA PTY. LTD.,  
A.B.N. 91 002 625 783  
3 Talavera Road  
NORTH RYDE. NSW 2113  
Tel (02) 8899 3666  
**Contact:** Customer Satisfaction Manager

EPSON NZ Ltd  
Level 4, Epson House  
245 Hobson Street  
AUCKLAND. 1001  
Tel (09) 366 6855  
**Contact:** National Technical Manager

**Medical Emergency Number:**

### 2. Composition Information

*This is an ink formulation*

Ink Composition	CAS No.	% By Weight
Dyestuff	8005 - 02 - 5	15 – 20 %
Organic Pigment	1328 - 53 - 6	10 – 15 %
Carbon Black	1333 - 86 - 4	1 – 2 %
Fatty Acid	112 - 80 - 1	35 – 40 %
Ester Oils	538 - 23 - 8	25 – 35 %

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

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*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

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:* No data available
- 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 color inks
<i>Odor:</i>	None
<i>pH:</i>	No data available
<i>Boiling point:</i>	No data available
<i>Melting point:</i>	No data available
<i>Flash point:</i>	>150°C
<i>Autoflammability:</i>	No data available
<i>Explosive properties:</i>	No data available

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<i>Oxidizing properties:</i>	No data available
<i>Vapor density:</i>	No data available
<i>Relative density:</i>	No data available
<i>Solubility in water:</i>	Very low
<i>Solubility in fat:</i>	No data available
<i>Partition coefficient:</i>	No data available

## 10. Stability and Reactivity

<i>Stability:</i>	Stable
<i>Hazardous polymerization:</i>	Will not occur
<i>Hazardous decomposition products:</i>	None
<i>Incompatible materials:</i>	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

*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:* No data available

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

Cartridges are outside the scope of 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.*