

SAFETY DATA SHEET

Ink Ribbon (Cartridge) for
ML5720/5721 Series
ML5790/5791 Series

Oki Electric Industry Co., Ltd.

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: Ink ribbon (cartridge) for
ML5720/5721 Series
ML5790/5791 Series

Product description: (Ink name : #53)
Fabric Ribbon

1.2 Relevant identified uses of the substance or mixture and uses advised against

Material uses: Printing

Uses advised against: No information available

1.3 Details of the supplier of the safety data sheet

Manufacturer: Oki Electric Industry Co., Ltd.
3-1 Futaba-cho, Takasaki-shi, Gunma. 370-8585 Japan
Tel: +81 27-328-6366

Supplier: OKI Europe Limited
Blays House, Wick Road, Egham, Surrey, TW20 0HJ, UK
Tel: +44 (0) 208 219 2190 Fax: +44 (0) 208 219 2199
e-mail: SDSQuestions@okieurope.com

1.4 Emergency telephone number

OKI Europe Limited: +44 (0) 208 219 2190
(Supported 09:00 to 17:00 UK Time, Monday to Friday
except Bank Holidays)

SECTION 2: Hazards identification

2.1 Classification of the ink

Classification according to Regulation (EC) No. 1272/2008 [CLP/INK]

Not determined

Adverse physicochemical, human health and environmental effects

No additional information available

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP): Not applicable
Signal word (CLP): Not applicable
Hazardous ingredients:
Hazard statements (CLP): Not applicable
Precautionary statements (CLP): Not applicable

2.3 Other hazards

No additional information available

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SECTION 3: Composition/information on ingredients

3.1 Chemical characterization: Mixture

Substance/mixture: Ink

3.2 Ingredients

Components	CAS CAS No.	EC Number	Content (wt%)	Classification(EC) No 1272/2008
Ester Oils	141-24-2	205-472-3	35 - 41	Not classified
Fatty Acid	67701-06-8	266-930-6	31 - 36	Not classified
Dyestuff	101357-15-7	309-912-6	12 - 15	Not classified
Organic Pigments	1328-53-6	215-524-7	12 - 15	Not classified
Carbon Black	1333-86-4	215-609-9	1 - 2	Not classified

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice:	When symptoms persist or in all cases of doubt seek medical advice.
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
Skin contact:	Wash thoroughly with soap and plenty of water. If skin irritation occurs: Get medical advice/attention.
Eye contact:	Rinse with plenty of water and seek medical advice if any irritation remains.
Ingestion:	Wash mouth with water and seek medical advice.
Information for doctor:	No information is available.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water spray, Foam, Carbon dioxide (CO₂), Dry chemical and others.

Unsuitable extinguishing media: Water jet.

5.2 Special hazards arising from the substance or mixture

Carbon monoxide, carbon dioxide (CO₂) will form in fire.

5.3 Advice for firefighters

Fight fire from the windward side if possible.
Wear suitable protective suit and self-contained breathing apparatus.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate personal protective equipment as specified in section 8.

6.2 Environmental precautions

Do not release into soil, sewers, river, or the public water courses.

6.3 Methods and materials for containment and cleaning up

Absorb or cover with dry earth, sand or other non-combustible material and transfer to sealable containers.

6.4 Reference to other sections: Refer to Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Put on appropriate personal protective equipment (see Section 8). Prohibition of dropping and throwing.

Handle in well ventilated area. Keep away from heat, sparks and flame.
Avoid contact with skin and eyes. Wash hands thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Keep away from heat and direct sunlight.
Keep in a dry, cool and well-ventilated place.

7.3 Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components	CAS No.	EU-OEL (TWA)	EU-OEL (STEL)
Carbon Black	1333-86-4	3.5 mg/m ³	-

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8.2 Exposure controls

Engineering measures

Local Exhaust:

Adequate ventilation should be provided so that exposure limits are not exceeded.

Personal protective equipment

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection:

Impermeable gloves. Rubber gloves.

Eye protection:

Wear appropriate protective eyeglasses or safety goggles.

Skin and body protection:

Work clothes with long sleeves.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Liquid
Colour:	Black
Odour:	None
pH:	No data available
Relative evaporation rate (butylacetate=1):	No data available
Melting point:	No data available
Boiling point:	No data available
Flash point:	202 degree C (Cleveland Open Cup) (Similar product data)
Evaporation rate:	No data available
Upper/lower explosive limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Relative density:	Approx. 1.0
Water solubility:	Insoluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Explosive properties:	This product is considered no explosive material under normal use condition.
Oxidising properties:	There is nothing in general storage and handling.

9.2 Other information

No further relevant information available.

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SECTION 10: Stability and reactivity

10.1 Reactivity:	No hazardous reactions with proper storage and handling.
10.2 Chemical stability:	The product is stable under normal conditions.
10.3 Possibility of hazardous reactions:	No hazardous reactions with proper storage and handling.
10.4 Conditions to avoid:	High temperature, heat, sparks, flames and other sources of ignition.
10.5 Incompatible materials:	No information available.
10.6 Hazardous decomposition products:	Carbon monoxide, carbon dioxide (CO ₂) will form in fire.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Acute toxicity (oral):	Carbon black	LD50 (rat)	15400 mg/kg
	Ester oil	LD50 (rat)	>39.8 g/kg
Acute toxicity (dermal):	No data available		
Acute toxicity (inhalation):	No data available		

Skin corrosion / irritation:

No data available

Serious eye damage / irritation:

No data available

Respiratory or skin sensitisation:

No data available

Germ cell mutagenicity:

Negative in the Ames test. (Similar product data)

Carcinogenicity:

The carbon black contained in this product corresponds to IARC group 2B.

This classification is given to chemicals for which there is inadequate humanevidence, but sufficient animal evidence on which to base an opinion ofcarcinogenicity. The classification is based upon the development of lungtumors in rats receiving chronic inhalation exposures to free carbon black atlevels that induce particle overload of the lung. Studies performed in animalmodels other than rats did not show any association between carbon black andlung tumors.

Reproductive toxicity:

No data available

Specific target organ systemic toxicity (Single exposure):

No data available

Specific target organ systemic toxicity (Repeated exposure):

Epidemiologic studies of workers in the carbon black producing industry in theU.S. and in Western Europe show no significant adverse health effect due tooccupational exposure to carbon black.

Aspiration hazard:

No data available

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SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish:	No data available
Toxicity to crustacea:	No data available
Toxicity to algae:	No data available

12.2 Persistence and degradability: No data available

12.3 Bioaccumulative potential: No data available

12.4 Mobility in soil: No data available

12.5 Results of PBT and vPvB assessment: Not applicable

12.6 Other adverse effects: No further relevant information available.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product:	Dispose of waste material in accordance with local, state and federal pollution regulations.
Contaminated packaging:	When disposing of an empty container, dispose after removing contents materials completely. Dispose of this material and its container according to your country law.

SECTION 14: Transport information

14.1 UN number:	Not applicable
14.2 UN proper shipping name:	Not applicable
14.3 Transport hazard class(es):	Not regulated as a hazardous material.
14.4 Packing group:	Not applicable
Sea transport	
IMDG-Code:	
Class:	Not regulated as a hazardous material.
UN number:	Not applicable
Packing group:	Not applicable
UN proper shipping name:	Not applicable
Marine pollutant:	Not applicable
Air transport	
ICAO-TI / IATA-DGR:	
Class:	Not regulated as a hazardous material.
UN number:	Not applicable
Packing group:	Not applicable
UN proper shipping name:	Not applicable
Land transport	
ADR / RID:	
Class:	Not regulated as a hazardous material.
UN number:	Not applicable
Packing group:	Not applicable
UN proper shipping name:	Not applicable

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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

EU regulations

(EC) No 1907/2006 (REACH)

Annex XIV (Authorisation):

Not regulated

Annex XVII (Restrictions on use):

Not regulated

15.2 Chemical Safety Assessment: No chemical safety assessments has been carried out

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.