

SAFETY DATA SHEET

Ink Ribbon (Cartridge) for
ML520/521 series
ML590/591 series
ML5590 eco

OKI DATA CORPORATION

SAFETY DATA SHEET**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

1.1 Product identifier

Product name: Ink ribbon (cartridge) for
ML520/521 Series
ML590/591 Series
ML5590eco
(Ink name : #3999)

Product description: Fabric Ribbon

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

Material uses: Industrial

Uses advised against: No additional information available

1.3 Details of the supplier of the safety data sheet

Manufacturer: OKI Data Corporation
3-1 Futaba-cho, Takasaki-shi, Gunma. 370-8585 Japan
Tel: +81 27-328-6366 Fax: +81-27-328-6398

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]

Eye irrit.2: H319
Full text of H-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2 Label elements

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

Hazard pictograms (CLP):



Signal word (CLP): Warning.

Hazard ingredients: 2-ethylhexyl stearate(EC No.244-754-0)

Hazard statements (CLP): H319-Causes serious eye irritation.

Precautionary statements (CLP): P264-Wash hands thoroughly after handling.
P280-Wear protective gloves/protective clothing/

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eye protection/face protection.

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do.
Continue rinsing.

If eye irritation persists: Get medical
advice/attention

2.3 Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

Substance/mixture: Ink

Product/ingredient name	CAS No.	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Carbon black	1333-86-4	15-25	Not classified
2-ethylhexyl stearate	22047-49-0	15-25	Eye Irrit. 2
Resin	Trade Secret	Trade Secret	Not classified
Other coloring material	Trade Secret	Trade Secret	Not classified
Oil	Trade Secret	Trade Secret	Not classified
Other additive	Trade Secret	Trade Secret	Not applicable

Full text of H-phrases: see section 16

Other

Product/ingredient name	CAS No.	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Nylon 6-6 fabric	Trade Secret	Trade Secret	Not applicable

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation: Not applicable
 Skin contact: Wash away ink on skin.
 Eye contact: Wash with water and consult a doctor promptly.
 Ingestion: Rinse the mouth with water and consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water mist, Foam, Dry powder, CO2 gas, others
 Unsuitable extinguishing media: Not applicable

5.2 Special hazards arising from the substance or mixture

No data available.

5.3 Advice for firefighters

No special measures required

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8

6.2 Environmental precautions

Do not pour into drains or waterways

6.3 Methods and materials for containment and cleaning up

For containment: Not applicable
 Methods for cleaning up: If inadvertently released, rewind ribbon.

6.4 Reference to other sections

See Section 8 for further information on protective clothing and equipment.
 See Section 13 for advice on waste disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling: No special. For personal safety, see section 8
 Hygiene measures: No data available

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Should be stored in dark and cool place.

7.3 Specific end use(s)

Thermal transfer ribbon

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Carbon black (CAS No. 133-86-4)		
United Kingdom	WEL TWA (mg/m ³)	3.5mg/m ³
USA - OSHA	WEL TWA (mg/m ³)	3.5mg/m ³

8.2 Exposure controls

Appropriate engineering controls: Not applicable
 Personal protective equipment:
 Hand protection: Wear protective gloves when required.
 Eye protection: Not applicable in normal conditions of use.
 Skin and body protection: Not applicable in normal conditions of use.
 Respiratory protection: Not applicable in normal conditions of use.
 Environmental exposure controls: Not applicable in normal conditions of use.

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Other information: No data available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Nylon 6-6 fabric impregnated with liquid black ink.
Colour:	Black (Ink)
Odour:	No data available
Odour threshold:	No data available
pH:	No data available
Relative evaporation rate (butylacetate=1):	No data available
Melting point:	No data available
Freezing point:	No data available
Boiling point:	No data available.
Flash point:	>150°C
Self ignition temperature:	No data available
Decomposition temperature:	No data available
Flammability (solid, gas):	This product is not classed as flammable.
Vapour pressure:	No data available
Relative vapour density at 20 °C:	No data available
Relative density:	No data available
Solubility: Water:	Insoluble
Log Pow:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Explosive properties:	No data available
Oxidising properties:	No data available
Explosive limits:	No data available

9.2 Other information

No additional information available

SECTION 10: Stability and reactivity

10.1 Reactivity:	No dangerous reaction known under conditions of normal use.
10.2 Chemical stability:	Stable under normal storage conditions.
10.3 Possibility of hazardous reactions:	No dangerous reaction known under conditions of normal use.
10.4 Conditions to avoid:	High temperature / High humidity / direct sunlight
10.5 Incompatible materials:	None
10.6 Hazardous decomposition products:	No dangerous decomposition products occur under normal storage and use conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity: No information is available

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Skin corrosion /irritation:	No information is available
Serious eye damage / irritation:	Causes serious eye irritation.
Respiratory or skin sensitisation:	May cause an allergic skin reaction.
Germ cell mutagenicity:	No information is available
Carcinogenicity:	Carbon black: IARC Group 2B Possibility carcinogenic to humans.
Reproductive toxicity:	No information is available
Specific target organ systemic toxicity: (Single exposure)	No information is available
Specific target organ systemic toxicity: (Repeated exposure)	No information is available
Aspiration hazard:	No information is available

SECTION 12: Ecological information

12.1 Toxicity Ecology - general:	No information is available
12.2 Persistence and degradability:	No additional information available
12.3 Bioaccumulative potential:	No additional information available
12.4 Mobility in soil:	No additional information available
12.5 Results of PBT and vPvB assessment:	No additional information available
12.6 Other adverse effects:	No additional information available

SECTION 13: Disposal considerations

13.1 Waste treatment methods Waste disposal recommendations:	This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.
Additional information:	No additional information available

SECTION 14: Transport information

14.1 UN number:	Not applicable
14.2 UN proper shipping name:	Not applicable
14.3 Transport hazard class(es) Class:	Not applicable
Hazard labels:	Not applicable
14.4 Packing group:	Not applicable
14.5 Environmental hazards Dangerous for the environment:	No
Marine pollutant:	No
Other information:	No supplementary information available
14.6 Special precautions for user:	Not applicable
Special transport precautions:	Not applicable

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14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

SECTION 15: Regulatory information

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

15.1.1 EU Regulation

No REACH Annex XVII restrictions
Contains no REACH candidate substance

15.1.2 National regulations

No additional information available

15.2 Chemical Safety Assessment

No chemical safety assessments has been carried out

SECTION 16: Other information

Indication of changes: None

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification	Classification Procedure
Eye irrit.2	Concentration limits

Data sources: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information: None

Full text of EU H-phrases:

Eye irrit.2	Serious eye damage/eye irritation, Category 2
H319	Causes serious eye irritation.

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