

# SAFETY DATA SHEET

Ink Ribbon (Cartridge) for

ML100 series

ML280

ML320/1T

ML380

ML390/1

ML390/1T

ML3320/1

ML3390/1

**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  
ML100 series  
ML280  
ML320/1T  
ML380  
ML390/1  
ML390/1T  
ML3320/1  
ML3390/1  
(Ink name : #3616)

**Product description:** 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 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 substance or mixture**

**Product definition:** Mixture

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

**Aquatic Chronic3:** H412

**Full text of H-phrases:** See section 16

**Adverse physicochemical, human health and environmental effects**

No additional information available

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## 2.2 Label elements

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

<b>Hazard pictograms :</b>	Not determined
<b>Signal word (CLP):</b>	Not determined
<b>Hazardous ingredients:</b>	3-iodo-2-propynyl butylcarbamate (EC No259-627-5)
<b>Hazard statements (CLP):</b>	H412-Harmful to aquatic life with long lasting effects
<b>Precautionary statements (CLP):</b>	P273-Avoid release to the environment P501-Dispose of contents / container in accordance with local / regional / national / international regulations.
<b>Supplemental information:</b>	EUH208 - Contains 3-iodo-2-propynyl butylcarbamate. May produce an allergic reaction.

## 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	5-10	Not classified
3-iodo-2-propynyl butylcarbamate	55406-53-6	<1	H302-Acute tox. Cat. 4 (Oral) H317-Skin sens. Cat. 1 H318-Eye damage Cat. 1 H331-Acute tox. Cat. 3 (Inhalation) H372-STOT RE. Cat. 1 H400-Aquatic Acute. Cat. 1 H410-Aquatic Chronic. Cat. 1
Other colouring material	-	-	Not classified.
Resin	-	-	Not classified.
Oil	-	-	Not classified.
Other additive	-	-	Not classified.

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	-	-	Not applicable

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

<b>Inhalation:</b>	Not applicable.
<b>Skin contact:</b>	Wash away ink on skin.
<b>Eye contact:</b>	Wash with water and consult a doctor promptly.
<b>Ingestion:</b>	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.

## 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 clearing up:** If inadvertently released, rewind the 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.

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## 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 a dark and cool place.

### 7.3 Specific end use(s)

Fabric ribbon

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Carbon black (CAS No. 1333-86-4)		
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	3.5mg/m <sup>3</sup>
USA - OSHA	WEL TWA (mg/m <sup>3</sup> )	3.5mg/m <sup>3</sup>

### 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.  
**Other information:** No data available.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

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

### 9.2 Other information

No additional information available.

## SECTION 10: Stability and reactivity

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

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

<b>Acute toxicity:</b>	No information is available.
<b>Skin corrosion/irritation:</b>	No information is available.
<b>Serious eye damage/irritation:</b>	No information is available.
<b>Respiratory or skin sensitisation:</b>	No information is available.
<b>Germ cell mutagenicity:</b>	No information is available.
<b>Carcinogenicity:</b>	Carbon black: IARC Group 2B, Possibility carcinogenic to humans.
<b>Reproductive toxicity:</b>	No information is available.
<b>Specific target organ toxicity (single exposure):</b>	No information is available.
<b>Specific target organ toxicity (repeated exposure):</b>	No information is available.
<b>Aspiration hazard:</b>	No information is available.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Ecology - general:** Harmful to aquatic life with long lasting effects.

**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.

**SAFETY DATA SHEET****SECTION 14: Transport information****14.1 UN number**

**UN-No.:** None assigned in accordance with UN Model Regulations

**14.2 UN proper shipping name**

**Proper Shipping Name:** None assigned in accordance with UN Model Regulations

**14.3 Transport hazard class(es)**

**Class:** None assigned in accordance with UN Model Regulations

**Hazard Labels:** None assigned in accordance with UN Model Regulations

**14.4 Packing group**

**Packing group:** None assigned in accordance with UN Model Regulations

**14.5 Environmental hazards**

**Dangerous for the environment:** Not classified as hazardous in accordance with UN Model Regulations

**Marine pollutant:** Not applicable

**Other information:** No supplementary information available

**14.6 Special precautions for user**

**Special transport precautions:** See Section 2

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable.

UN Model Regulations: Recommendations on the TRANSPORT OF DANGEROUS GOODS issued by UN

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU Regulation**

No REACH Annex XVII restrictions

Contains no REACH candidate substance

**National regulations**

No additional information available

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

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## 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
Aquatic Chronic <sup>3</sup>	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:

Acute tox. Cat. 4 (Oral)	Acute toxic (Oral). Category 4
H302	Harmful if swallowed
Skin sens, Cat. 1	Skin Sensitisation, Category 1
H317	May cause an allergic skin reaction.
Eye damage Cat. 1	Serious eye damage/eye irritation, Category 1
H318	Causes serious eye damage.
Aquatic tox. Cat. 3 (inhalation)	Acute toxic (inhalation). Category 3
H331	Toxic if inhaled.
STOT RE. Cat. 1	Specific target organ toxicity – repeated exposure, Category 1
H372	Causes damage to larynx through prolonged or repeated exposure.
Aquatic Acute. Cat. 1	Hazardous to the aquatic environment(Acute), Category 1
H400	Very toxic to aquatic life.
Aquatic Chronic. Cat. 1	Hazardous to the aquatic environment(Chronic), Category 1
H410	Very toxic to aquatic life with long lasting effects
Aquatic Chronic. Cat. 3	Hazardous to the aquatic environment(Chronic), Category 3
H412	Harmful to aquatic life with long lasting effects

*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*