

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]

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

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.

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 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.
Other information: No data available.

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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.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:	No information is available.
Skin corrosion/irritation:	No information is available.
Serious eye damage/irritation:	No information is available.
Respiratory or skin sensitisation:	No information is available.
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 toxicity (single exposure):	No information is available.
Specific target organ toxicity (repeated exposure):	No information is available.
Aspiration hazard:	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 ³	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