

Product Information Data Sheet

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Product Name (Chemical Name, Trade Name, etc.)

Ribbon Cassette

Ink for Pen and ribbon cassette as the chart recorder's accessories includes chemical substances specified in Japanese domestic law 'Industrial Safety and Health Act'. Please read safety information in the safety data sheet (next page) of parts below for your safety and appropriate use.

Parts No.	Product Name in Safety Data Sheet
B9901AX	B9901AX COLOR RIBBON CASSETTE
B9963AW	B9901AX COLOR RIBBON CASSETTE

The information herein is only provision of information, and it does not represent a guarantee the properties of the product.

UR-1000 B9901AX COLOR RIBBON CASSETTE

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 27/05/2015

Revision date: 26/09/2016 :

Version: 1.0

SDS No. : SDS(EU)-0019

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

1.1. Product identifier

Product name : B9901AX COLOR RIBBON CASSETTE
Product code : Not available.

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

1.2.1. Relevant identified uses

Main use category : Industrial use
Use of the substance/mixture : Fabric ribbon

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer
Manufacturer/Supplier: FUJICOPIAN CO., LTD.
Address: 4-14, Mitejima 5-chome, Nishi yodogawa-ku, Osaka 555-0012, Japan
Telephone: (06)6473-7071 Fax:(06)6473-5615 Telex:
E:mail: yoshihisa-mitsuboshi@fujicopian.co.jp

1.4. Emergency telephone number

Emergency number : (06)6473-7071(9:00~17:45 Japan)

SECTION 2: Hazards identification

2.1. Classification of the ink

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

Purple ink, Brown ink
Eye irrit.2 : H319
Skin Sens.1 : H317
STOT RE2 : H373
Aquatic Chronic3 : H412

Green ink, Blue ink
Aquatic Chronic3 : H412
Full text of H-phrases: see section 16

Black ink, Red 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] [INK]

Purple ink, Brown ink

Hazard pictograms (CLP) :



Signal word (CLP) : Warning
Hazardous ingredients : 3-iodo-2-propynyl butylcarbamate(EC No259-627-5)
Hazard statements (CLP) : H319 - Causes serious eye irritation.
H317 - May cause an allergic skin reaction.
H373 - May cause damage to organs(larynx)though prolonged or repeated exposure.
H412 - Harmful to aquatic life with long lasting effects
Precautionary statements (CLP) : P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash hands thoroughly after handling.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment
P280 - Wear protective gloves/protectiveclothing/eye protection/face protection.
IF ON SKIN:Wash with plenty of soap and water.
if skin irritation or rash occurs:Get medical advice/attention.
Wash contaminated clothing before reuse.
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
P314 - Get medical advice/attention if you feel unwell.
P501 - Dispose of contents/container in accordance with local/ r egional / national/international regulations.

Green ink, Blue ink
Hazard pictograms (CLP) : Not determined
Signal word (CLP) : Not determined
Hazardous ingredients : 2,6-di-tert-butyl-p-cresol (EC No.204-881-4)
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 and container in accordance with all local, regional, national and international regulations.

Black ink, Red ink
Not determined

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

PURPLE INK

Name	CAS No.	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Carbon black	1333-86-4	1-5	Not classified
3-iodo-2-propynyl butylcarbamate	55406-53-6	1-2	Acute Tox.4(Oral):H302 Acute Tox.3(inhalation):H331 Eye Dam.1:H318 Skin sens.1:H317 STOT RE1:H372 Aquatic Acute 1 : H400 Aquatic Chronic1 : H410
Other coloring material	-	-	Not classified
Oil	-	-	Not classified
Other additive	-	-	Not classified

BLACK INK

Name	CAS No.	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Carbon black	1333-86-4	15-20	Not classified
Other coloring material	-	-	Not classified
Oil	-	-	Not classified
Additive	-	-	Not classified

GREEN INK

Name	CAS No.	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Carbon black	1333-86-4	1-2	Not classified
Mineral oil	8012-95-1	2-8	Not classified
2,6-di-tert-butyl-p-cresol	128-37-0	0.5-1	Eye Irrit. 2: H319 Repr. 2: H361f STOT SE 1: H370 STOT RE 2: H373 Aquatic Acute 1 : H400 Aquatic Chronic1 : H410
Other coloring material	-	-	Not classified

Name	CAS No.	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Resin	-	-	Not classified
Oil	-	-	Not classified
Other additive	-	-	Not classified

BLUE INK

Name	CAS No.	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Mineral oil	8012-95-1	2-8	Not classified
2,6-di-tert-butyl-p-cresol	128-37-0	0.5-1	Eye Irrit. 2: H319 Repr. 2: H361f STOT SE 1: H370 STOT RE 2: H373 Aquatic Acute 1 : H400 Aquatic Chronic1 : H410
Other coloring material	-	-	Not classified
Resin	-	-	Not classified
Oil	-	-	Not classified
Other additive	-	-	Not classified

BROWN INK

Name	CAS No.	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Carbon black	1333-86-4	1-5	Not classified
3-iodo-2-propynyl butylcarbamate	55406-53-6	1-2	Acute Tox.4(Oral):H302 Acute Tox.3(inhalation):H331 Eye Dam.1:H318 Skin sens.1:H317 STOT RE1:H372 Aquatic Acute 1 : H400 Aquatic Chronic1 : H410
Resin	-	-	Not classified
Other coloring material	-	-	Not classified
Oil	-	-	Not classified
Other additive	-	-	Not classified

RED INK

Name	CAS No	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Coloring Material	-	-	Not classified
Oil	-	-	Not classified
Resin	-	-	Not classified

Full text of H-phrases: see section 16

Other

Name	CAS No.	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Nylon 6-6 fabric	-	-	Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Not applicable
First-aid measures after skin contact : Wash away ink on skin.
First-aid measures after eye contact : IWash with water and consult a doctor promptly.
First-aid measures after 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 material 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 and 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)

Fabric ribbon

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Carbon black(CAS No. 1333-86-4)		
United Kingdom	WEL TWA (mg/m³)	3.5mg/m³
USA-OSHA	WEL TWA (mg/m³)	3.5mg/m³

Mineral oil (CAS No8012-95-1)		
United Kingdom	WEL TWA (mg/m³)	5mg/m³
United Kingdom	WEL STEL (mg/m³)	10mg/m³
USA-OSHA	WEL TWA (mg/m³)	5mg/m³

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Nylon 6-6 fabric impregnated with liquid Purple , Black , Green , Blue,Brown and Red ink.

Colour	:	Purple(INK) 、Black(INK) 、Green(INK) 、Blue(INK) 、Brown(INK) 、Red(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℃
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
Skin corrosion/irritation	:	No information is available
Serious eye damage/irritation	:	Causes serious eye irritation. (Purple ink, Brown ink)
Respiratory or skin sensitisation	:	May cause an allergic skin reaction. (Purple ink, Brown ink)
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)	:	May cause damage to organs(larynx)though prolonged or repeated exposure. (Purple ink, Brown ink)
Aspiration hazard	:	No information is available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	:	Harmful to aquatic life with long lasting effects((Purple ink, Brown ink, Green ink, Blue ink)
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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

UN-No.	:	Not applicable
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14.2. UN proper shipping name

Proper Shipping Name	:	Not applicable
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14.3. Transport hazard class(es)

Class	:	Not applicable
Hazard labels	:	Not applicable

14.4. Packing group

Packing group	:	Not applicable
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14.5. Environmental hazards

Dangerous for the environment	:	No
Marine pollutant	:	No
Other information	:	No supplementary information available

14.6. Special precautions for user

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-Regulations

No REACH Annex XVII restrictions

Contains no REACH candidate substance

15.1.2. National regulations

All structured materials of ink are registered on TSCA(USA).

All structured materials of ink are registered on TSCA.

15.2. Chemical safety assessment

No chemical safety assessment 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
Skin Sens.1	Concentration limits
STOT RE2	Concentration limits
Aquatic Chronic3	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.4(Oral)	Acute toxicity Oral, Category4
H302	Harmful if swallowed
Acute Tox.3(inhalation)	Acute toxicity inhalation, Category3
H331	Toxic if inhaled.
Eye Dam.1	Serious eye damage/eye irritation, Category 1
H318	Causes serious eye damage
Eye irrit.2	Serious eye damage/eye irritation, Category 2
H319	Causes serious eye irritation
Skin Sens.1	Skin sensitisation, Category 1
H317	May cause an allergic skin reaction.
Repr. 2	Reproductive toxicity, Category 2
H361f	Suspected of damaging fertility or the unborn child
STOT SE 1	Specific target organ toxicity — single exposure, Category 1
H370	Causes damage to organs
STOT RE 1	Specific target organ toxicity — repeated exposure, Category 1
H372	Causes damage to organs through prolonged or repeated exposure
STOT RE 2	Specific target organ toxicity — repeated exposure, Category 2
H373	May cause damage to organs through prolonged or repeated exposure
Aquatic Acute 1	Hazardous to the aquatic environment(Acute), Category 1
H400	Very toxic to aquatic life
Aquatic Chronic1	Hazardous to the aquatic environment(Chronic), Category 1
H410	Very toxic to aquatic life with long lasting effects
Aquatic Chronic3	Hazardous to the aquatic environment(Chronic), Category 3
H412	Harmful to aquatic life with long lasting effects
Acute Tox.4(Oral)	Acute toxicity Oral, Category4

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.