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**Material Safety Data Sheet**

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**SECTION 1 Product Identification**

Product Name : Black Ribbon for Panasonic Dot matrix Printer  
Product Number : KX-P115, KX-P115I-S

**SECTION 2 Hazardous information**

Appearance and Odor  
Nylon 6-6 fabric and PSM fiber impregnated with liquid black ink.

Incompatibility (Material to Avoid)  
None

Hazardous Decomposition or Byproducts  
None

Fire and Explosion Hazard  
None

Health Hazards  
Refrain from taking it into the body through mouths.

Information on Ecological Effect  
No data available

UN-category UN-number  
Not applicable Not applicable

**SECTION 3 Composition / Information on Ingredients**

Hazardous Components	CAS No.	ACGIH TLV	OSHA PEL	EEC	Other Limits	%
Carbon Black	1333-86-4	3.5mg/m <sup>3</sup>	3.5mg/m <sup>3</sup>	N/A	N/A	2
Mineral Oil (mist)	8012-95-1	5.0mg/m <sup>3</sup>	5.0mg/m <sup>3</sup>	N/A	N/A	2
Predominant Component						
Coloring Material	Not Applicable					
Oil						
Additive						
Nylon 6-6 Fabric PSM Fiber						
Impurity						
None						

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**SECTION 4 First Aid Measures**

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Health Hazards (Acute and Chronic)

No data available

Signs and Symptoms of Exposure

No data available

Medical Conditions

Generally Aggravated by Exposure

No data available

Emergency and First Aid Procedures

SKIN :Wash away ink on skin.

EYE :Wash with water and consult a doctor promptly.

INHALATION :Not applicable

OTHERS :No data available

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**SECTION 5 Fire Fighting Measures**

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Flash Point

>150

Ignition Temperature

N/A

Flammable Limits

N/A

Extinguishing Media

Water mist, Foam, Dry powder, CO<sub>2</sub> gas, others

Special Fire Fighting Procedures

N/A

Unusual Fire and Explosion Hazards

None

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**SECTION 6 Accidental Release Measures**

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Not applicable under intended use.

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**SECTION 7 Handling and Storage**

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Steps to Be Taken in Case Material is Released or Spilled

If inadvertently released, rewind ribbon.

Precautions to Be Taken in Handling and Storing

Should be stored in dark and cool place.

Other Precautions

None

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**SECTION 8 Exposure Controls / Personal Protection**

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Respiratory Protection ( Specify Type )

None

Ventilation

Local Exhaust	Special
N/A	N/A

Mechanical(General)	Other
N/A	N/A

Eye Protection

N/A

Hand Protection

Desirable in some cases.

Other Protective Clothing or Equipment

N/A

Work/Hygienic Practices

None

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**SECTION 9 Physical and Chemical Properties**

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Boiling Point N/A	Melting point N/A
PH value N/A	Specific Gravity N/A
Viscosity N/A	Vapor pressure N/A
Solubility in Water Negligible	

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**SECTION 10 Stability and Reactivity**

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Stability	Unstable		Condition to Avoid
	Stable	X	N/A
Hazardous Polymerization	May Occur		Condition to Avoid
	Will Not Occur	X	N/A

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**SECTION 11 Toxicology Information**

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Ames Test : Negative  
Carbon Black 1333-86-4 : IARC Group 2B Possibility carcinogenic to humans.

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**SECTION 12 Ecological Information**

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No data available.

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**SECTION 13 Waste Disposal Information**

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Waste Disposal Method  
Disposal in accordance with local, state and federal regulations.

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**SECTION 14 Transport Information**

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No special  
Not under IMDG code for sea transportation

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**SECTION 15 Regulation Information**

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Regulations : None

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**SECTION 16 Other Information**

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None

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Information on this data sheet represents our current data and good opinion as to the proper use in handling of this product under normal conditions.