



Safety Data Sheet 58335901

Date SDS Issued: 23-September-2015

Date SDS Revised: 23-September-2015

SDS Revision Number 1

1. Identification of Substance and Company

Product Identification

Product Name: Black Ribbon for PM4410

Recommended Use: Ink impregnated cloth used to transfer an image on sheet of paper or other substrate.

Details of Company

Name: Oki Data Americas, Inc.
Address: 2000 Bishops Gate Blvd
Mount Laurel, NJ 08054
US
Phone Number: 1-800-654-3282
Fax Number: 1-856-222-5247
Email Address: support@okidata.com
Emergency Phone Number: 1-800-654-3282

2. Hazard(s) Identification

Classification

Office products are exempt from the 2012 OSHA Hazardous Communication Standard (29 CFR 1910.1200) therefore classification is not required.

GHS Label elements

Emergency Overview

Signal Word None

Hazard Statement None

Color: Black

Physical State: Viscous Liquid

Odor: Odorless

Precautionary Prevention Statement:
Obtain instructions before use.

Precautionary Response Statement
None

Precautionary Storage Statement
Keep away from children.

Precautionary Disposal Statement
None

Other Information

Carbon Black in a free state is classified by the IARC as a Group 2B Carcinogen (possibly carcinogenic to humans). The formulation of the ribbon has Carbon Black only present in a bounded state and not in a free state so it does not present a carcinogenic risk.

Interactions with Other Chemicals

No information available.

3. Composition Information

Chemical Name	CAS Number	Weight	Trade Secret
Carbon Black	1333-86-4	1 %	
Other Coloring Materials	Trade Secret	Trade Secret	*
Oils	Trade Secret	Trade Secret	*
Additives	Trade Secret	Trade Secret	*
Nylon 6-6 fabric	Trade Secret	Trade Secret	*
PSM Fiber	Trade Secret	Trade Secret	*

* The exact percentage or CAS Number has been withheld as a trade secret

4. First Aid Measures

Eye Contact Rinse cautiously with clean water for several minutes. If symptoms persist or concerned, seek medical advice.

Skin Contact Wash with soap and water immediately. If skin swells or if in pain, seek medical attention.

Inhalation

Ingestion Seek medical advice immediately.

Most Important Symptoms and Effects No information is available.

Notes to Physician:

Treat systematically

5. Fire Fighting Measures

Suitable Extinguishing Media

Water, foam, dry powder, and CO₂

Unsuitable Extinguishing Media

None known

Specific Hazards Arising from Chemicals

None known.

Hazardous Combustion Products

No information is available.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

Personal Precautions:

Wear appropriate personal protective equipment.

Protective Equipment:

Protective gloves as required

Emergency Procedures:

Safely collect material and place in proper disposal container.

Methods for Containment:

Keep ribbon from unwinding.

Methods for Cleanup:

Rewind ribbon and place in proper disposal container.

7. Handling and Storage

Precautions for Safe Handling:

Do not ingest, wash hands after handling.

Conditions for Safe Storage:

Store in a cool, dark place and keep out of reach of children.

Incompatible Products:

No information is available.

8. Exposure Controls/Personal Protection

Exposure Limits:

Chemical Name	CAS Number	ACGIH TLV	OSHA PEL	NIOSH IDLH
Carbon Black	1333-86-4	3.5 mg/m ³	3.5 mg/m ³	

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

Engineering Measures:

No information is available.

Individual Protection

Eye/Face Protection Not required when use as intended.

Skin/Body Protection Not required when use as intended.

Respiratory Protection Not required when use as intended.

Hygiene Measures Wash hands after installation.

9. Physical and Chemical Properties

<u>Property</u>	<u>Value</u>	<u>Remarks/Methods</u>
Appearance	Viscous liquid	
Color	Black	
Odor	Odorless	
Odor Threshold	No data available	
pH	No data available	
Melting/Freezing point	No data available	

Initial Boiling point	No data available	
Boiling Range	No data available	
Flash point	No data available	
Evaporation Rate	No data available	
Flammability	No data available	
<u>Flammability or Explosive</u>		
Upper Limit	No data available	
Lower Limit	No data available	
Vapor Pressure	No data available	
Vapor Density	No data available	
Relative Density	1.03	
Solubility(ies)	Insoluble	Water solubility is the only known solubility.
<u>Partition Coefficient</u>		
n-octanol	No data available	
water	No data available	
Auto-ignition Temperature	No data available	
Decomposition Temperature	No data available	
Viscosity	No data available	

10. Stability and Reactivity

Reactivity:

No data is available.

Chemical Stability:

Stable under ordinary conditions.

Possibility of Hazardous Reactions:

No data is available.

Conditions to Avoid:

No data is available.

Incompatible Materials:

No data is available.

Hazardous Decomposition Products:

No data is available.

11. Toxicology Information

Product Information

Inhalation	Specific test data for the mixture is not available.
Eye Contact	Specific test data for the mixture is not available.
Skin Contact	Specific test data for the mixture is not available.
Ingestion	Specific test data for the mixture is not available.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LD50
Carbon Black	> 8,000 mg/kg (Rat)	> 3 mg/kg (Rabbit)	No data available

Symptoms No information is available.

Sensitization Specific test data for the mixture is not available

Mutagenic Effects Specific test data for the mixture is not available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Carbon Black		Group 2B		

Reproductive Toxicity No information is available.

STOT – single exposure No information is available.

STOT – repeated exposure No information is available.

Chronic Toxicity In 1996, the IARC reevaluated Carbon Black as a Group 2B carcinogen (possible human carcinogen). This classification is given to chemicals for which there is inadequate human evidence, but sufficient animal evidence on which to base an opinion of carcinogenicity. The classification is based upon the development of lung tumors in rats receiving chronic inhalation exposures to free Carbon Black at levels that induce particle overload of the lung. Studies performed in animal models other than rats did not show any association between Carbon Black and lung tumors.
The formulation of the ribbon has Carbon Black only present in a bounded state and not in a free state.

Target Organ Effects No information is available.

Numerical measurements of toxicity:

Not applicable

12. Ecological Information

Ecotoxicity:

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Carbon Black	ErC50 > 10,000 mg/L	LC50 > 1,000 mg/L		LC50 > 5,600 mg/L

Persistence and Degradability:

Specific test data for the mixture is not available.

Bioaccumulation:

Specific test data for the mixture is not available.

Other Adverse Effects:

No information is available.

13. Disposal Considerations

Disposal Methods:

Dispose of waste material in accordance with local, state and federal pollution regulations.

Contaminated Packaging:

Dispose of as unused product

California Hazardous Waste Code: 141**14. Transportation Information**

DOT NOT REGULATED
Proper Shipping Name NOT REGULATED
Hazard Class N/A

TDG Not regulated

MEX Not regulated

ICAO Not regulated

IATA Not regulated
Proper Shipping Name Not regulated
Hazard Class N/A

IMDG/IMO Not regulated
Hazard Class N/A

RID Not regulated

ADR Not regulated

ADN Not regulated

15. Regulatory Information**US Federal Regulations****SARA 313:**

Chemical Name	CAS Number	Concentration
None		

US State Regulations**California Proposition 65:**

Not Regulated due to chemicals being bonded together instead of being in a free state.

US State Right to Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island
Carbon Black	X	X	X	X

International Regulations**Canada****WHMIS Hazard Classification:**

Non-controlled by definition of manufactured article

International Inventories

TSCA All chemical substances in this product comply with all applicable rules or orders under TSCA.

DSL/NDSL All chemical substances in this product are listed on either the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

16. Other Information

<u>NFPA</u>	Health Hazards – 2	Flammability – 1	Instability – 1	Physical and Chemical Hazards -
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Revision Note No information available

Disclaimer

This bulletin cannot cover all possible situations, which the user may experience when using this product. Each aspect of your operation must be examined concerning if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin must be provided to your employees or customers. It is your responsibility to use this information to develop appropriate work practice guidelines and employee instructional programs for your operation.