



# SAFETY DATA SHEET

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

Issuing Date February 18, 2011

## 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Product Code(s) 1953339  
Product Name Carton Black Plus Ink  
Substance or Preparation Preparation  
Recommended Use Ink

**Manufacturer:**  
inc.jet Incorporated  
1 Winnenden Rd.  
Norwich, CT 06360  
PH: 860-823-3090  
incjet.com

**Contact for timely inquiries in regards to this product**  
Emergency Telephone Number Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

According to present data no classification and labelling is required according to Directives 67/548/EEC or 1999/45/EC

### Classification

Xn;R22 - Xi;R36 - R43

For the full text of the R phrases mentioned in this Section, see Section 16

### Product Label Symbols

Xn - Harmful

### Most Important Hazards

Harmful if swallowed. Irritating to eyes. May cause sensitization by skin contact.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	EC No.	REACH Reg. No.	CAS-No	Weight %	Classification
Lactam		Not available	-	25 - 50	Xn;R22
Lactam #2		Not available	-	1 - 15	Xi;R36/38
Modified Carbon Black		Not available	NOT ASSIGNED	1 - 5	-
Isothiazolin Derivative		Not available	-	0.01 - <0.1	Xn;R22 Xi;R38 R41 R43 N;R50

### **Note**

Remaining components are either not hazardous or below threshold limits.

#### 4. FIRST AID MEASURES

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If symptoms persist, call a physician.
<b>Ingestion</b>	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately. Drink 1 or 2 glasses of water.
<b>Inhalation</b>	Call a physician immediately. Move to fresh air in case of accidental inhalation of vapors. If breathing is irregular or stopped, administer artificial respiration. None under normal use. Get medical attention immediately if symptoms occur.

#### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Use: Carbon dioxide (CO <sub>2</sub> ). Dry chemical. Alcohol-resistant foam.
<b>Special Exposure Hazards Arising from the Substance/Preparation Including Combustion Products and Gases</b>	Thermal decomposition can lead to release of irritating and toxic gases and vapors.
<b>Special Protective Equipment for Firefighters</b>	Wear self-contained breathing apparatus and protective suit.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Environmental Precautions</b>	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
<b>Personal Precautions</b>	Refer to Section 8.
<b>Methods for Cleaning up</b>	Following product recovery, flush area with water. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.
<b>Other Information</b>	Other Information.

#### 7. HANDLING AND STORAGE

<b>Handling</b>	Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists. Ensure adequate ventilation.
<b>Storage</b>	Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	EU	The United Kingdom	France	Spain	Germany
Lactam					
Lactam #2					
Modified Carbon Black NOT ASSIGNED					
Isothiazolin Derivative					

Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Lactam					
Lactam #2					
Modified Carbon Black NOT ASSIGNED					
Isothiazolin Derivative					

**Occupational Exposure Controls****Engineering Measures**

Ensure adequate ventilation, especially in confined areas. Showers. Eyewash stations.

**Personal Protective Equipment****Respiratory Protection**

None required under normal usage.

**Eye Protection**

Safety glasses with side-shields. If splashes are likely to occur, wear:. Goggles.

**Skin and Body Protection**

Wear impervious gloves and/or clothing if needed to prevent contact with the material.

**Hand Protection**

Impervious gloves.

**Hygiene Measures**

Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**General Information**

<b>Physical State</b>	Liquid	<b>Appearance</b>	Black
<b>Odor</b>	Slight		
<b>Important Health, Safety and Environmental Information</b>			
<b>Flash Point</b>	> 100 °C	<b>Method</b>	Seta closed cup.
<b>Boiling Point/Range</b>		<b>pH</b>	8 - 10
<b>Autoignition Temperature</b>	>200 °C	<b>Vapor Pressure</b>	No information available
<b>VOC Content</b>	No information available	<b>Viscosity</b>	< 15 cps
<b>Solubility</b>	Miscible	<b>Water Solubility</b>	Soluble in water
<b>Specific Gravity</b>	0.9 - 1.1	<b>Evaporation Rate</b>	No information available
<b>Vapor Density</b>	Heavier than air		
		<b>Flammability Limits in Air</b>	No information available

**Other Information****Melting Point/Range** No information available.

---

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions.
<b>Materials to Avoid</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	Carbon oxides.
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

<b>Product Information</b>	The product itself has not been tested.
<b>Inhalation</b>	Inhalation of vapors in high concentration may cause irritation of respiratory system.
<b>Eye Contact</b>	There is no data available for this product. Contact with eyes may cause irritation.
<b>Skin Contact</b>	May cause irritation. May discolor the skin.
<b>Ingestion</b>	No known effect. May cause gastrointestinal discomfort if consumed in large amounts.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Lactam	1350 mg/kg ( Rat )		
Lactam #2	3200 mg/kg ( Rat )		
Modified Carbon Black	greater than 2000 mg/kg	greater than 2000 mg/kg	
Isothiazolin Derivative	1020 mg/kg ( Rat )		

### Chronic Toxicity

<b>Carcinogenicity</b>	This product contains carbon black which is classified as a possible carcinogen when present as respirable dust. This is not relevant for this product since it is not in a respirable form.
<b>Target Organ Effects</b>	Respiratory system.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Not established.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Lactam #2	EC50 = 250 mg/L 72 h EC50 = 84 mg/L 96 h	LC50 4600-10000 mg/L Brachydanio rerio 96 h	EC50 = 759 mg/L 30 min EC50 > 10000 mg/L 17 h	= 3.4 mg/L LC50

**Persistence and Degradability** No information available**Bioaccumulative Potential** No information available**Mobility** No information available

Chemical Name	Log Pow
Lactam #2	= -0.71 25 °C
Isothiazolin Derivative	= 1.3 25 °C

## 13. DISPOSAL CONSIDERATIONS

**Waste from Residues/Unused Products** Dispose of in accordance with local regulations.

## 14. TRANSPORT INFORMATION

**IATA** Not regulated

## 15. REGULATORY INFORMATION

**Labeling****Symbol(s)**

Xn - Harmful

**R-phrase(s)**

R22 - Harmful if swallowed

R36 - Irritating to eyes

R43 - May cause sensitization by skin contact

**S-phrase(s)**

S24 - Avoid contact with skin

S37 - Wear suitable gloves

**WGK Classification**

Chemical Name	Germany - Water Classification (VwVwS) - Annex 1

## Black Ink

Lactam #2 -	hazard class 1 - low hazard to waters
-------------	---------------------------------------

### International Inventories

Chemical Name	TSCA	EINECS/ELI NCS	DSL/NDSL	PICCS	ENCS	IECSC	AICS	KECL	NZIOC
Lactam -	Present	X	X	X	(5)-113	X		2001-3-1720	X
Lactam #2 -	Present	X	X	X	(5)-112	X	X	KE-29978	X
Modified Carbon Black - NOT ASSIGNED		421-840-8							
Isothiazolin Derivative -	Present	X	X	X	(9)-1845 (9)-1854	X	X	KE-02680	X

### Legend

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

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

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

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**NZIoC** - New Zealand Inventory of Chemicals

## 16. OTHER INFORMATION

### Text of R phrases mentioned in Section 2

R36 - Irritating to eyes

R22 - Harmful if swallowed

R50 - Very toxic to aquatic organisms

R43 - May cause sensitization by skin contact

R36/38 - Irritating to eyes and skin

**Prepared By** inc.jet Incorporated  
1 Winnenden Rd.  
Norwich, CT 06360

**Issuing Date** February 18, 2011

### Revision Note

**This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006**

### Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet