

# Safety Data Sheet

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### Product identifier

**Product name** Carton Black+ 800ml

### Other means of identification

**Product Code(s)** 1953341 (1953341M-800mL)

**Synonyms** No information available

### Recommended use of the chemical and restrictions on use

**Recommended Use** ink.

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### Manufacturer:

Inc.jet Incorporated

1 Winnenden Rd.

Norwich, CT 06360

PH: 860-823-3090

[www.incjet.com](http://www.incjet.com)

**Emergency telephone number** Chemtrec 1-800-424-9300

## 2. Hazards Identification

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Reproductive Toxicity

Category 1B

### Label elements

#### EMERGENCY OVERVIEW

**DANGER**

#### **Hazard statements**

May damage fertility or the unborn child



**Appearance** black

**Physical state** liquid

**Odor** Acrylic

#### **Precautionary Statements - Prevention**

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

#### **Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)****OTHER INFORMATION**

- May be harmful if swallowed

Unknown acute toxicity

4.8565% of the mixture consists of ingredient(s) of unknown toxicity

**3. Composition/information on Ingredients**

Chemical name	CAS-No	Weight %	Trade secret
Lactam	Proprietary	25 - 50	*
Lactam #2	Proprietary	1 - 15	*
Modified Carbon Black	NOT ASSIGNED	1 - 5	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**NOTE**

Remaining components are either not hazardous or below threshold limits.

**4. First aid measures****FIRST AID MEASURES****General advice**

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.

**Eye contact**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**IF ON SKIN**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary. Wash off immediately with soap and plenty of water. Immediate medical attention is not required. If skin irritation persists, call a physician.

**Inhalation**

If breathing is irregular or stopped, administer artificial respiration. Remove to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Consult a physician. Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician.

**Ingestion**

Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician. Rinse mouth. Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician.

**Self-protection of the first aider**

Use personal protective equipment as required.

**Most important symptoms and effects, both acute and delayed****Most Important Symptoms and Effects**

Hives.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician**

May cause sensitization of susceptible persons. Use of epinephrine may be indicated. Treat symptomatically.

## 5. Fire-fighting measures

**Suitable extinguishing media**

Use Carbon dioxide (CO2) Dry chemical Alcohol resistant foam

**Unsuitable extinguishing media** None.

**Specific hazards arising from the chemical**

Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact.

**Explosion data**

**Sensitivity to Mechanical Impact** No information available.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

Wear self-contained breathing apparatus and protective suit.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures****Personal precautions**

Use personal protection recommended in Section 8. Avoid contact with skin, eyes and clothing. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**OTHER INFORMATION**

OTHER INFORMATION.

**Environmental precautions****Environmental precautions**

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

**Methods and material for containment and cleaning up****Methods for containment**

Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**

Cover liquid spill with sand, earth or other noncombustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labeled containers. Soak up with inert absorbent material. Dam up.

## 7. Handling and Storage

**Precautions for safe handling****Handling**

Use personal protective equipment as required. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapors/spray. Use with local exhaust ventilation.

**Conditions for safe storage, including any incompatibilities****Storage**

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers.

**Incompatible Products** Strong oxidizing agents.

## 8. Exposure Controls/Personal Protection

### Control parameters

#### **Exposure guidelines**

NIOSH IDLH: *Immediately Dangerous to Life or Health*

### Appropriate engineering controls

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

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Tight sealing safety goggles. Face protection shield.

**Skin and body protection** Wear protective gloves and protective clothing. For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.

**Respiratory protection** None under normal use conditions.

**Hygiene Measures** Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Regular cleaning of equipment, work area and clothing is recommended.

## 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

<b>Physical state</b>	liquid	<b>Odor</b>	Acrylic
<b>Appearance</b>	black	<b>Odor Threshold</b>	No information available
<b>color</b>	No information available		

<u>Property</u>	<u>Values</u>	<u>Remarks/ • Method</u>
<b>pH</b>	8 - 10	
<b>Melting point / freezing point</b>		
<b>Boiling point / boiling range</b>	No information available	
<b>Flash Point</b>	> 100 °C	Seta closed cup
<b>Evaporation Rate</b>	No information available	
<b>flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>		
<b>Upper Flammability Limit</b>	No information available	
<b>Lower Flammability Limit</b>	No information available	
<b>Vapor Pressure</b>	No information available	
<b>Vapor Density</b>	No information available	
<b>Specific gravity</b>	0.9 - 1.1	None known
<b>Water solubility</b>	Soluble in water	
<b>Solubility in other solvents</b>	No information available	
<b>Partition coefficient: n-octanol/water</b>	No information available	
<b>Autoignition temperature</b>	>200 °C	
<b>Decomposition temperature</b>	No information available	
<b>Kinematic viscosity</b>	No information available	
<b>Dynamic viscosity</b>	No information available	
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	

### OTHER INFORMATION

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available

VOC Content No information available  
 Density No information available  
 Bulk density No information available

## 10. Stability and Reactivity

### Reactivity

No data available

### Chemical stability

Stable under normal conditions.

### Possibility of hazardous reactions

None under normal processing.

**Hazardous polymerization** Hazardous polymerization does not occur.

### Conditions to avoid

Extremes of temperature and direct sunlight.

### Incompatible materials

Strong oxidizing agents.

### Hazardous decomposition products

Carbon oxides.

## 11. Toxicological Information

### Information on likely routes of exposure

<b>Product Information</b>	The product has not been tested
<b>Inhalation</b>	May cause irritation of respiratory tract. Avoid breathing vapors or mists.
<b>Eye contact</b>	Irritating to eyes. Avoid contact with eyes.
<b>IF ON SKIN</b>	May cause irritation. Avoid contact with skin.
<b>Ingestion</b>	May cause gastrointestinal discomfort if consumed in large amounts. Harmful if swallowed. Do NOT taste or swallow.

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Lactam	= 1350 mg/kg ( Rat )	-	-
Lactam #2	> 3200 mg/kg ( Rat )	-	-
Modified Carbon Black NOT ASSIGNED	greater than 2000 mg/kg	greater than 2000 mg/kg	-

### Information on toxicological effects

**Symptoms** No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>irritation</b>	May cause irritation of respiratory tract. May cause skin and eye irritation.
<b>Sensitization</b>	May cause an allergic skin reaction.
<b>Mutagenic effects</b>	No information available.
<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.
	<i>IARC: (International Agency for Research on Cancer)</i> <i>Group 2B - Possibly Carcinogenic to Humans</i>
<b>Reproductive toxicity</b>	May impair fertility. Possible risk of impaired fertility. May cause harm to the unborn child. Possible risk of harm to the unborn child.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.

<b>Chronic toxicity</b>	Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated exposure.
<b>Target organ effects</b>	Respiratory System.
<b>Aspiration hazard</b>	No information available.

**Numerical measures of toxicity - Product Information**

<b>Unknown acute toxicity</b>	4.8565% of the mixture consists of ingredient(s) of unknown toxicity
<b>The following values are calculated based on chapter 3.1 of the GHS document .</b>	
<b>ATEmix (oral)</b>	4205 mg/kg

**12. Ecological Information****ecotoxicity**

35.0665% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical name	Toxicity to Algae	Toxicity to Fish	Daphnia Magna (Water Flea)
Lactam #2	250: 72 h Desmodesmus subspicatus mg/L EC50 84: 96 h Desmodesmus subspicatus mg/L EC50	4600 - 10000: 96 h Brachydanio rerio mg/L LC50 static	3.4: 96 h Daphnia magna mg/L LC50

**Persistence and degradability**

No information available.

**Bioaccumulation/Accumulation**

No information available.

Chemical name	Log Pow
Lactam #2	-0.71

**Other adverse effects**

No information available

**13. Disposal Considerations****Waste treatment methods**

<b>Waste treatment methods</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated packaging</b>	Do not re-use empty containers.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

**14. Transport Information**

<b><u>DOT</u></b>	Not regulated
<b><u>TDG</u></b>	Not regulated
<b><u>MEX</u></b>	Not regulated
<b><u>ICAO</u></b>	Not regulated
<b><u>IATA</u></b>	Not regulated
<b><u>IMDG/IMO</u></b>	Not regulated
<b><u>RID</u></b>	Not regulated

**ADR** Not regulated

**ADN** Not regulated

### 15. Regulatory information

#### International Inventories

Chemical name	TSCA	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
Lactam	X	X	X	X	X	-	X	-
Lactam #2	X	X	X	X	X	X	X	X
Modified Carbon Black NOT ASSIGNED	-	X	X	X	X	X	X	X

#### Legend

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

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

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

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

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

Korean Existing and Evaluated Chemical Substances

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

**AICS** - Australian Inventory of Chemical Substances

#### U.S. Federal Regulations

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product is not a chemical which is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

##### SARA 311/312 Hazard Categories

Acute health hazard	Category 1
Chronic Health Hazard	Category 1
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

##### Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

##### CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

#### U.S. State Regulations

##### California Proposition 65

This product does not contain any Proposition 65 chemicals

##### U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Lactam #2	-	X	X

##### U.S. EPA Label Information

EPA Pesticide registration number Not applicable

**16. Other information**

<b>NFPA</b>	Health hazard 2	flammability 1	Instability 0	Physical and chemical properties -
<b>HMIS</b>	Health hazard 2	flammability 1	Physical hazards 0	Personal precautions X

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**Revision note**

No information available

**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**