

## SAFETY DATA SHEET

<b>SDS Number:</b>	411, REV A PITNEY BOWES, INC.	<b>Effective Date:</b>	April 25, 2022
		<b>Revised Date:</b>	N/A
<b>Product Name:</b>	Blue Ink 79P-BLN, 790-BLN, 791-BLN (3UB76A, 3UB77A, 3UB78A)	<b>Page:</b>	1 of 10

<b>SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING</b>
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**1.1 Product Identifier**

**Trade Name:** Postal Blue Ink (3UB76A, 3UB77A, 3UB78A)  
**Reorder Number:** 79P-BLN, 790-BLN, 791-BLN

**1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against**  
**Product Use:** Inkjet printing

**1.3 Details of the Supplier of the Safety Data Sheet**  
**Manufacturer:**

<b>US Facility:</b> Pitney Bowes Inc. 27 Waterview Drive Shelton, CT 006484 United States	<b>UK Facility:</b> Building 5 Trident Place Hatfield Business Park Mosquito Way Hatfield Hertfordshire, AL10 9UJ United Kingdom	<b>Canada Distributer:</b> Pitney Bowes Ltd. 5500 Explorer Drive Mississauga, Ontario L4W 5C7 Canada
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<b>Information Phone Number:</b> 800-243-7824	<b>Information Phone Number:</b> +44(0) 8705 252 525	<b>Information Phone Number:</b> 905-619-7861
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**E-mail:** [ehs@pb.com](mailto:ehs@pb.com)

**SDS Website:** [www.pb.com/sds](http://www.pb.com/sds)

**1.4 Emergency Telephone Number**

<b>Emergency Spill Information</b>	203-922-5340 <i>North America</i>	00-1-203-922-5340 <i>International</i>
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**SDS Date of Preparation:** April 25, 2022

<b>SECTION 2: HAZARDS IDENTIFICATION</b>
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**2.1 Classification of the Substance or Mixture**

**-US OSHA Hazcom 2012: (29 CFR1910.1200) / Canada WHMIS 2015 / CLP/GHS Classification (1272/2008):**

<b>Physical:</b> Not Classified	<b>Health:</b> Skin Sensitization Category 1A	<b>Environmental:</b> Not Classified
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### 2.2 Label Elements:

#### WARNING!

Contains 1,2-Benzisothiazolin-3-one; 2,4,7,9-Tetramethyl-5-decyne-4,7-diol;  
2-Methyl-2H-isothiazol-3-one.



#### Hazard Phrases

H317	May cause an allergic skin reaction.
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#### Precautionary Phrases

P261	Avoid breathing mist or spray.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P363	Wash contaminated clothing before reuse.
P501	Dispose of container and contents to approved disposal site in accordance with all local and national regulations.

### 2.3 Other Hazards: None

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixture:

Chemical Name	CAS#	EINECS# / REACH Reg No.	GHS Classification Regulation (EC) No 1272/2008	%
Water	7732-18-5	231-791-2	Not Applicable	65-90
2,4,7,9-Tetramethyl-5-decyne-4,7-diol	126-86-3	204-809-1 / 01-2119954390-39	Skin Sens. 1B (H317) Eye Dam. 1 (H318) Acute Aquatic Tox 3 (H402) Chronic Aquatic Tox. 3 (H412)	<1
1,2-Benzisothiazolin-3-one	2634-33-5	220-120-9 / 01-2120761540-60	Acute Tox. 4 (H302) ATE 670 mg/kg Skin Irrit. 2 (H315) Skin Sens. 1 (H317) SCL ≥ 0.05% Eye Dam. 1 (H318) Acute Aquatic Tox 1 (H400) (M factor 10) Chronic Aquatic Tox. 2 (H411)	<0.05
2-methyl-2h-isothiazol-3-one	2682-20-4	220-239-6 / 01-2120764690-50	Acute Tox. 2 (H330) ATE 0.11 mg/l Acute Tox. 3 (H301) ATE 120 mg/kg (H311) ATE 242 mg/kg Skin Corr. 1B (H314) Skin Sens. 1A (H317) SCL ≥ 0.002%	<0.05

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			Acute Aquatic Tox 1 (H400) (M factor 10) Chronic Aquatic Tox. 1 (H410) Resp. Corr. (EUH071)	
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See Section 16 for further information on GHS Classification.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of First Aid Measures

**Eyes:** Flush with plenty of running cold water, holding eyelids open to assure thorough rinsing. Get medical attention if irritation develops or persists.

**Skin:** Wash with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation or rash develops or persists.

**Inhalation:** Remove to fresh air. Get medical attention if irritation develops or persists.

**Ingestion:** If large amounts are swallowed, do not induce vomiting. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get medical attention.

**Notes to Physicians:** Treat symptomatically.

**4.2 Most Important symptoms and effects, both acute and delayed:** May cause an allergic skin reaction. May cause mild eye and skin irritation.

**4.3 Indication of any immediate medical attention and special treatment needed:** Immediate medical treatment should not be required.

## SECTION 5: FIRE FIGHTING MEASURES

### 5.1 Extinguishing Media:

Use water spray, carbon dioxide, dry chemical or foam.

### 5.2 Special Hazards Arising from the Substance or Mixture

**Unusual Fire and Explosion Hazards:** None known.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, nitrogen oxides and low molecular weight hydrocarbons.

### 5.3 Advice for Fire-Fighters:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Avoid contact with eyes and skin.

### 6.2 Environmental Precautions:

It is recommended to keep away from drains, surface and ground water.

### 6.3 Methods and Material for Containment and Cleaning Up:

Large Spill: Not sold in large quantities.

Small Spill: Eliminate ignition sources and ventilate the area. Soak up any small amounts with inert absorbent material.

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### 6.4 Reference to Other Sections:

Refer to Section 8 for protective equipment and Section 13 for disposal considerations.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for Safe Handling:

Avoid contact with eyes, skin and clothing. Wash thoroughly after use.

### 7.2 Conditions for Safe Storage, Including any Incompatibilities:

Keep out of the reach of children.

### 7.3 Specific end use(s):

Ink for Postage Meters

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control Parameters:

Chemical Name	Exposure Limits
Water	None Established
2,4,7,9-Tetramethyl-5-decyne-4,7-diol	None Established
1,2-Benzisothiazolin-3-one	None Established
2-methyl-2h-isothiazol-3-one	0.2 mg/m <sup>3</sup> TWA, 0.4 mg/m <sup>3</sup> STEL (Inhalable) DFG MAK

### Derived No Effect Levels (DNEL):

Components	Type	Route	Value	Form
2,4,7,9-Tetramethyl-5-decyne-4,7-diol (CAS 126-86-3)	Consumers	Inhalation	1.29 mg/m <sup>3</sup>	Systemic short term
		Inhalation	0.43 mg/m <sup>3</sup>	Systemic long term
	Workers	Inhalation	5.28 mg/m <sup>3</sup>	Systemic short term
		Inhalation	1.76 mg/m <sup>3</sup>	Systemic long term

### Predicted No Effect Concentrations (PNEC):

Components	Type	Route	Value	Form
2,4,7,9-Tetramethyl-5-decyne-4,7-diol (CAS 126-86-3)	Not applicable	Freshwater	0.04 mg/l	
		Intermittent	0.4 mg/l	Releases
		Marine water	0.004 mg/l	
		Sediment	0.32 mg/kg	Freshwater
		Sediment	0.032 mg/kg	Marine water
		Soil	0.028 mg/kg	
		STP	7 mg/l	Sewage Treatment Plant

### 8.2 Exposure Controls:

**Engineering Controls:** Use in a well-ventilated area.

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**Respiratory Protection:** None required.

**Skin Protection:** None normally required. Wear rubber gloves if needed to avoid skin contact.

**Eye Protection:** None normally required. Wear safety glasses if eye contact is possible.

**Other:** Not required.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic Physical and Chemical Properties:

<b>Appearance:</b> Blue liquid	<b>Vapor Density:</b> Not determined
<b>Color:</b> Blue	<b>Physical State:</b> Liquid
<b>Odor:</b> Not determined	<b>Relative Density:</b> 1.04
<b>Odor Threshold:</b> Not determined	<b>Water Solubility:</b> Not determined
<b>pH:</b> 9.1	<b>Octanol/Water Partition Coefficient:</b> Not determined
<b>Melting Point/Freezing Point:</b> Not determined	<b>Autoignition Temperature:</b> Not determined
<b>Boiling Point:</b> Not determined	<b>Decomposition Temperature:</b> Not determined
<b>Flash Point:</b> >368.6°F (>187.0°C) (Closed Cup)	<b>Kinematic Viscosity:</b> Not determined
<b>Evaporation Rate:</b> Not determined	<b>Particle Characteristics:</b> Not applicable
<b>Flammable Limits:</b> LEL: Not determined UEL: Not determined	<b>Flammability:</b> Not applicable
<b>Vapor Pressure:</b> Not determined	<b>Relative Vapor Pressure @20°C:</b> (Air = 1) Not determined

**9.2.1 Properties, Safety Characteristics and Test Results for Physical Hazards:** None determined.

<b>Explosion Properties:</b> Not determined	<b>Oxidizing Properties:</b> Not determined
<b>VOC:</b> <74 g/L	

**9.2.2 Other Safety Characteristics:** None determined.

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1 Reactivity:

Not reactive under normal conditions of use.

#### 10.2 Chemical Stability:

Stable under normal conditions of use. When heated, this product may produce flammable acetylene fumes.

#### 10.3 Possibility of Hazardous Reactions:

None known

#### 10.4 Conditions to Avoid:

Excessive heat.

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### 10.5 Incompatible Materials:

Strong oxidizing materials and bases.

### 10.6 Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide, nitrogen oxides and low molecular weight hydrocarbons.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological Effects:

**Eyes:** May cause mild eye irritation. Direct contact may stain tissues.

**Skin:** May cause skin irritation. May stain tissues.

**Ingestion:** Swallowing large amounts may cause abdominal pain, headache, dizziness, drowsiness, nausea, vomiting, and diarrhea.

**Inhalation:** No adverse effects expected under normal use. High vapor concentrations due to heating may cause coughing, sore throat, headache, dizziness, drowsiness and vomiting.

### Acute Toxicity Values:

Product ATE:	LD50: >5,000 mg/kg		Oral
	LD50: >2,000 mg/kg		Dermal
Water	Not acutely toxic		
2,4,7,9-Tetramethyl-5-decyne-4,7-diol	LD50: >500 mg/kg (No deaths)	Rat	Oral
	LD50: >2,000 mg/kg	Rat	Dermal
1,2-Benzisothiazolin-3-one	LD50: 670 mg/kg	Rat	Oral
	LD50: >2,000 mg/kg	Rat	Dermal
2-methyl-2h-isothiazol-3-one	LD50: 120 mg/kg	Rat	Oral
	LD50: 242 mg/kg	Rat	Dermal
	LC50: 0.11 mg/l/ 4 hr.	Rat	Inhalation

**Irritation:** Based on available data, the classification criteria are not met.

**Corrosivity:** Based on available data, the classification criteria are not met.

**Sensitization:** Contains 1,2-Benzisothiazolin-3-one, 2,4,7,9-Tetramethyl-5-decyne-4,7-diol, and 2-Methyl-2H-isothiazol-3-one which may produce an allergic reaction in sensitized individuals. None of the components are respiratory sensitizers.

### Specific Target Organ Toxicity:

Single Exposure: Based on available data, the classification criteria are not met.

Repeat Exposure: Based on available data, the classification criteria are not met.

**Carcinogen Status:** Based on available data, the classification criteria are not met. None of the components of this product are classified as carcinogens by IARC, OSHA, NTP, ACGIH, or the EU CLP.

**Germ Cell Mutagenicity:** Based on available data, the classification criteria are not met.

**Toxicity for Reproduction:** Based on available data, the classification criteria are not met.

**Aspiration Hazard:** Based on available data, the classification criteria are not met.

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## 11.2 Information on Other Hazards

11.2.1 Endocrine Disrupting Properties: None known

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity:

Product: 96 hr LC50 fathead minnow >750 mg/L

2-methyl-2h-isothiazol-3-one: LC50/96 hr; Oncorhynchus mykiss 4.77 mg/L;

EC50/ 48 hr Water flea (Daphnia magna) 0.934 mg/L

EC50/ 72 hr Marine water algae 0.072 mg/L

1,2-Benzisothiazolin-3-one: LC50/96 hr; Oncorhynchus mykiss 1.6 mg/L;

EC50/ 48 hr Water flea (Daphnia magna) 0.934 mg/L

EC50/ 72 hr Pseudokirchneriella subcapitata 70 ug/L

### 12.2 Persistence and Degradability:

1,2-Benzisothiazolin-3-one: Not readily biodegradable

2-methyl-2h-isothiazol-3-one: Not readily biodegradable

### 12.3 Bioaccumulative Potential:

1,2-Benzisothiazolin-3-one: 6.62 BCF

2-methyl-2h-isothiazol-3-one: 5.75 BCF

### 12.4 Mobility in Soil:

No data available for product.

### 12.5 Results of PBT and vPvB Assessment:

Product does not meet the criteria for PBT or vPvB.

### 12.6 Endocrine disrupting Properties:

None known.

### 12.7 Other Adverse Effects:

None.

## SECTION 13: DISPOSAL INFORMATION

### 13.1 Waste Treatment Methods

Dispose in accordance with local, state or provincial and federal or national regulations.

## SECTION 14: TRANSPORT INFORMATION

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Transport Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards

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<b>US DOT</b>	None	Not regulated for transport	None	None	No
<b>EU ADR/RID</b>	None	Not regulated for transport	None	None	No
<b>IATA:</b>	None	Not regulated for transport	None	None	No
<b>IMDG</b>	None	Not regulated for transport	None	None	No

#### 14.6 Special Precautions for User:

None

#### 14.7 Transport in Bulk According to IMO Instruments:

Not applicable

### SECTION 15: REGULATORY INFORMATION

#### 15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:

##### **International Inventories:**

**US EPA TSCA Inventory:** All of the components are listed or exempt on the EPA TSCA inventory.

**Canadian Environmental Protection Act:** All of the components are listed on the Canadian DSL or NDSL.

**Australian Regulations:** All of the components are listed on the Australian AICS inventory.

**Chinese Regulations:** All of the components are listed on the Inventory of Existing Chemical Substances of China (IECSC).

**Korean Regulations:** All of the components are listed on the Korean Existing Chemical List (KECL).

**Philippine Regulations:** This product is an article and not subject to chemical notification requirements.

**Japanese Regulations:** This product is an article and not subject to chemical notification requirements.

**New Zealand Regulations:** All of the components are listed on the New Zealand inventory.

**Taiwan Regulations:** All of the components are listed on the Taiwan Chemical Substance Inventory (TCSI).

##### **U.S. REGULATIONS**

**CERCLA:** Spills of this product are required to be reported to the National Response Center. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**EPA SARA 302:** This product does not contain chemicals regulated under SARA Section 302.

**EPA SARA 311 Hazard Classification:** Classified as per Section 2 of this SDS

**EPA SARA 313:** This product contains the following chemicals that are regulated under SARA Title III, section 313: None.

**California Proposition 65:** This product does not contain substances known to the state of California to cause cancer and/or reproductive toxicity.

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### INTERNATIONAL REGULATIONS

**German WGK:** Not determined.

**Other EU Regulations:** This product is classified and labeled in accordance with EC CLP following the rules on mixture classification. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006 (REACH), (EC)1272/2008 and Regulation (EC) 2020/878.

**Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA:** Not listed.

**Regulation (EC) No. 143/2011 Annex XIV Substances Subject to Authorization:** Not listed.

**Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended:** Not listed.

**15.2 Chemical Safety Assessment:**  
Not required

### SECTION 16: OTHER INFORMATION

<b>NFPA Codes:</b>	<b>Health: 2</b>	<b>Fire: 0</b>	<b>Instability: 0</b>
<b>HIMS Codes:</b>	<b>Health: 2</b>	<b>Fire: 0</b>	<b>Physical Hazard: 0</b>

**GHS Phrases for Reference (See Section 2 and 3):**

Acute Aqua. Tox. 1 – Acute Aquatic Toxicity Category 1  
Acute Aqua. Tox. 3 – Acute Aquatic Toxicity Category 3  
Acute Tox. 2 – Acute Toxicity Category 2  
Acute Tox. 3 - Acute Toxicity Category 3  
Chron. Aqua. Tox. 1 - Chronic Aquatic Toxicity Category 1  
Chron. Aqua. Tox. 2 - Chronic Aquatic Toxicity Category 2  
Chron. Aqua. Tox. 3 - Chronic Aquatic Toxicity Category 3  
Eye Dam. 1 – Eye Damage Category 1  
Resp. Corr. - Corrosive to the respiratory tract.  
Skin Corr. 1B – Skin Corrosion Category 1B  
Skin Irrit. 2 – Skin Irritation Category 2  
Skin Sens. 1 – Skin Sensitizer Category 1  
H301 Toxic if swallowed.  
H311 Toxic in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction  
H318 Causes serious eye damage  
H330 Fatal if inhaled.  
H400 Very toxic to aquatic life  
H402 Harmful to aquatic life

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H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects

H412 Harmful to aquatic life with long lasting effects

EUH071: Corrosive to the respiratory tract.

This SDS conforms to Regulation (EU) No. 1907/2006 and 2015/830, US OSHA Hazcom 2012 (29 CFR1910.1200), Canada WHMIS 2015 and the GHS.

**Date of current revision:** April 25, 2022

**Revision Summary:** New SDS

**Date of previous revision:** N/A