

SAFETY DATA SHEET

SDS Number:	291, REV H PITNEY BOWES, INC.	Effective Date:	December 10, 2009
		Revised Date:	September 25, 2020
Product Name:	Blue Non Fluorescent Ink (CG330A, CG334A, CG326A)	Page:	1 of 10

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

1.1 Product Identifier

Trade Name: Blue Non Fluorescent Ink (CG330A, CG334A, CG326A)
Reorder Number: 788-BL, 789-BL, 78P-BL

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:

US Facility: Pitney Bowes Inc. 27 Waterview Drive Shelton, CT 006484 United States	UK Facility: Building 5 Trident Place Hatfield Business Park Mosquito Way Hatfield Hertfordshire, AL10 9UJ United Kingdom	Canada Distributer: Pitney Bowes Ltd. 5500 Explorer Drive Mississauga, Ontario L4W 5C7 Canada
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Information Phone

Number: 800-243-7824	+44(0) 8705 252 525	905-619-7861
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E-mail: ehs@pb.com

SDS Website: www.pb.com/sds

1.4 Emergency Telephone Number

Emergency Spill	203-922 5340	00-1-203-922 5340
Information	<i>North America</i>	<i>International</i>

SDS Date of Preparation: September 25, 2020

SECTION 2: HAZARDS IDENTIFICATION
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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):

Physical:	Health:	Environmental
Not Classified	Skin Sensitization Category 1A	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
Diethylene Glycol	111-46-6	203-872-2 / 01-2119457857-21	Acute Tox. 4 (oral) H302	<5
2,4,7,9- Tetramethyl-5- decyne-4,7-diol	126-86-3	204-809-1 / 01-2119954390-39	Skin Sens. 1 (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	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Eye Dam. 1 (H318) Acute Aquatic Tox 1 (M factor 10) (H400) Chronic Aquatic Tox. 2 (H411)	<0.05
2-methyl-2h- isothiazol-3-one	2682-20-4	220-239-6	Acute Tox. 2 (H330) Acute Tox. 3 (H301), (H311) Skin Corr. 1B (H314)	<0.05

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			Skin Sens. 1A (H317) Acute Aquatic Tox 1 (M factor 10) (H400) 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.

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

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
Diethylene Glycol	10 mg/m ³ TWA AIHA WEEL 23 ppm TWA Australia OEL 10 ppm TWA, 40 ppm STEL DFG MAK 23 ppm TWA UK OEL
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 ³ TWA, 0.4 mg/m ³ STEL (Inhalable) DFG MAK

Derived No Effect Levels (DNEL):

Components	Type	Route	Value	Form
Diethylene glycol (CAS 111-46-6)	Consumers	Dermal	53 mg/kg	Systemic long term
		Inhalation	12 mg/m ³	Local long term
	Workers	Dermal	106 mg/kg	Systemic long term
		Inhalation	60 mg/m ³	Local long term
2,4,7,9-Tetramethyl-5-decyne-4,7-diol (CAS 126-86-3)	Consumers	Inhalation	1.29 mg/m ³	Systemic short term
		Inhalation	0.43 mg/m ³	Systemic long term
	Workers	Inhalation	5.28 mg/m ³	Systemic short term
		Inhalation	1.76 mg/m ³	Systemic long term

Predicted No Effect Concentrations (PNEC):

Components	Type	Route	Value	Form
Diethylene glycol (CAS 111-46-6)	Not applicable	Freshwater	10 mg/l	

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		Intermittent	10 mg/l	Releases
		Marine water	1 mg/l	
		Sediment	20.9 mg/kg	Freshwater
		Soil	1.53 mg/kg	
		STP	199.5 mg/l	Sewage Treatment Plant
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.

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:

Appearance: Blue liquid	Vapor Density: Not determined
Odor: Not determined	Specific Gravity: Not determined
Odor Threshold: Not determined	Water Solubility: Not determined
pH: 9	Octanol/Water Partition Coefficient: Not determined
Melting Point/Freezing Point: Not determined	Autoignition Temperature: Not determined
Boiling Point: Not determined	Decomposition Temperature: Not determined
Flash Point: >230°F (>110°C)	Viscosity: Not determined
Evaporation Rate: Not determined	Explosion Properties: Vapors may be explosive in confined areas.
Flammability: (Solid, Gas) Not applicable	Oxidizing Properties: Not determined
Flammable Limits: LEL: Not determined UEL: Not determined	VOC: <227 g/L
Vapor Pressure: Not determined	

9.2 Other Information:

None

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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.

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		
Diethylene glycol	LD50: 12,565 mg/kg	Rat	Oral
	LD50: 11,890 mg/kg	Rabbit	Dermal
	LC50: >4.6 mg/l/ 4 hr.	Rat	Inhalation
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: 490 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: 0.1 mg/l/ 4 hr.	Rat	Inhalation

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

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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. Animal test data has shown that Diethylene glycol does not meet the GHS classification to be a repeat exposure STOT.

Carcinogen Status: 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.

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:

No data available for product.

12.3 Bioaccumulative Potential:

No data available for product.

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 Other Adverse Effects:

None.

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

14.6 Special Precautions for User:

None

14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:

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.

EU Inventory: All of the components in this product are listed on or exempt from the EINECS inventory.

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).

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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 contains the following chemicals which are known to the State of California to cause cancer, reproductive toxicity or birth defects: None.

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)

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

NFPA Codes:	Health: 2	Fire: 0	Instability: 0
HIMS Codes:	Health: 2	Fire: 0	Physical Hazard: 0

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
Acute Tox. 4 – Acute Toxicity Category 4
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

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Skin Sens. 1 – Skin Sensitizer Category 1

H301 Toxic if swallowed.

H302 Harmful 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

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: September 25, 2020

Revision Summary: Ingredient component added. Change to all sections.
Emergency phone number updated in November 2020

Date of previous revision: January 25, 2019

Gensuite Approval Date:

SDS Prepared By: Chemical Review Team (CRT)