

SAFETY DATA SHEET

SDS Number:	287, REV G PITNEY BOWES, INC.	Effective Date:	February 11, 2010
		Revised Date:	February 19, 2020
Product Name:	Fluorescent Red Ink Cartridge (CG333A, CG329A, CG380A, CG325A)	Page:	1 of 10

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

1.1 Product Identifier

Trade Name: Fluorescent Red Ink Cartridge (CG333A, CG329A, CG380A, CG325A)
Reorder Number: 787-0, 787-1, 787-8, 78P-R

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against
Product Use: Printer Cartridge

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

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

1.4 Emergency Telephone Number

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

SDS Date of Preparation: February 19, 2020

SECTION 2: HAZARDS IDENTIFICATION
--

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

SAFETY DATA SHEET

SDS Number:	287, REV G PITNEY BOWES, INC.	Effective Date:	February 11, 2010
		Revised Date:	February 19, 2020
Product Name:	Fluorescent Red Ink Cartridge (CG333A, CG329A, CG380A, CG325A)	Page:	2 of 10

2.2 Label Elements:

WARNING!

Contains 1,2-Benzisothiazolin-3-one, 2-Methyl-2H-isothiazol-3-one.



Hazard Phrases

H317	May cause an allergic skin reaction.
------	--------------------------------------

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

3.1 Substances:

Chemical Name	CAS#	EINECS# / REACH Reg No.	GHS Classification Regulation (EC) No 1272/2008	%
Water	7732-18-5	231-791-2	Not Applicable	80-90
2-Pyrrolidone	616-45-5	210-483-1 / 01-211947541-37	Eye Irrit. 2A (H319) Repro Tox. 1B (H360) SCL = 3% Acute Aquatic Tox 3 (H402)	<3
Alcohols, C12-14- secondary, - ethoxylated	84133-50-6	617-534-0	Acute Tox. 4 (H302), (H312) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Chronic Aquatic Tox. 2 (H411)	<2.5
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) Skin Sens. 1A (H317) Acute Aquatic Tox 1 (M factor 10) (H400) Chronic Aquatic Tox. 1 (H410) Resp. Corr. (EUH071)	<0.05
1,2-	2634-33-5	220-120-9	Acute Tox. 4 (H302)	<0.05

SAFETY DATA SHEET

SDS Number:	287, REV G PITNEY BOWES, INC.	Effective Date:	February 11, 2010
		Revised Date:	February 19, 2020
Product Name:	Fluorescent Red Ink Cartridge (CG333A, CG329A, CG380A, CG325A)	Page:	3 of 10

Benzisothiazolin-3-one			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)	
------------------------	--	--	--	--

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 to extinguish fire.

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, skin and clothing.

6.2 Environmental Precautions:

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

SAFETY DATA SHEET

SDS Number:	287, REV G PITNEY BOWES, INC.	Effective Date:	February 11, 2010
		Revised Date:	February 19, 2020
Product Name:	Fluorescent Red Ink Cartridge (CG333A, CG329A, CG380A, CG325A)	Page:	4 of 10

6.3 Methods and Material for Containment and Cleaning Up:

Large Spill: Not sold in large quantities.

Small Spill: Wipe up with absorbent material and place into a suitable container for disposal. Rinse area with a damp cloth to remove residue.

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 away from excessive heat and cold. Keep out of the reach of children.

7.3 Specific end use(s):

Printer Cartridge

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters:

Chemical Name	Exposure Limits
2-Pyrrolidone	None Established
Alcohols, C12-14-secondary, -ethoxylated	None Established
2-methyl-2h-isothiazol-3-one	0.2 mg/m ³ TWA, 0.4 mg/m ³ STEL (Inhalable) DFG MAK
1,2-Benzisothiazolin-3-one	None Established

Derived No Effect Levels (DNEL):

Components	Type	Route	Value	Form
2-pyrrolidone (CAS 616-45-5)	Consumers	Dermal	6 mg/kg bw/d	Systemic long term
		Dermal	167 mg/kg bw/d	Systemic acute short term
		Inhalation	17.1 mg/m ³	Systemic long term
		Oral	5.2 mg/kg bw/d	Systemic long term
		Oral	33.3 mg/kg bw/d	Systemic acute short term
	Workers	Dermal	277 mg/kg bw/d	Systemic acute short term
		Dermal	10 mg/kg bw/d	Systemic long term
		Inhalation	57.8 mg/m ³	Systemic long term

Predicted No Effect Concentrations (PNEC)

Components	Type	Route	Value	Form
2-pyrrolidone (CAS 616-45-5)	Not applicable	Freshwater	0.5 mg/l	
		Intermittent	0.5 mg/l	Releases
		Marine water	0.05 mg/l	
		Sediment	0.4205 mg/kg	Freshwater

SAFETY DATA SHEET

SDS Number:	287, REV G PITNEY BOWES, INC.	Effective Date:	February 11, 2010
		Revised Date:	February 19, 2020
Product Name:	Fluorescent Red Ink Cartridge (CG333A, CG329A, CG380A, CG325A)	Page:	5 of 10

		Soil	0.0612 mg/kg	
		STP	10 mg/l	Sewage Treatment Plant

8.2 Exposure Controls:

Engineering Controls: None required.

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: Ink cartridge containing a red liquid.	Vapor Density: > 1 (air = 1.0)
Odor: No odor	Specific Gravity: Not determined
Odor Threshold: Not applicable	Water Solubility: Soluble
pH: 8.0-8.8	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: >93.3°C (>200°F) Pensky-Martens CC	Viscosity: Not determined
Evaporation Rate: Not determined	Explosion Properties: Not determined
Flammability: (Solid, Gas) Not applicable	Oxidizing Properties: Not determined
Flammable Limits: LEL: Not determined UEL: Not determined	VOC: < 34 g/L
Vapor Pressure: Not determined	

9.2 Other Information:

None

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

Not reactive under normal conditions of use.

10.2 Chemical Stability:

Stable.

10.3 Possibility of Hazardous Reactions:

None known.

SAFETY DATA SHEET

SDS Number:	287, REV G PITNEY BOWES, INC.	Effective Date:	February 11, 2010
		Revised Date:	February 19, 2020
Product Name:	Fluorescent Red Ink Cartridge (CG333A, CG329A, CG380A, CG325A)	Page:	6 of 10

10.4 Conditions to Avoid:

None known.

10.5 Incompatible Materials:

Avoid strong oxidizers and strong bases.

10.6 Hazardous Decomposition Products:

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

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Eyes: May cause mild eye irritation.

Skin: May cause mild skin irritation. May cause an allergic skin reaction.

Ingestion: Swallowing large amounts may cause gastrointestinal irritation with nausea, vomiting and diarrhea.

Inhalation: No adverse effects expected during normal use.

Acute Toxicity Values:

Product ATE:	Not classified as acutely toxic		
2-Pyrrolidone:	LD50: 6,500 mg/kg	Rat	Oral
Alcohols, C12-14-secondary, - ethoxylated:	LD50: > 300-2,000 mg/kg		Oral
	LD50: > 1,000 – 2,000 mg/kg		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
1,2-Benzisothiazolin-3-one:	LD50: 490 mg/kg	Rat	Oral
	LD50: >2,000 mg/kg	Rat	Dermal

Irritation: May cause mild eye and skin irritation.

Corrosivity: This is not a corrosive product.

Sensitization: Contains 1,2-Benzisothiazolin-3-one 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: No data available.

Repeat Exposure: No data available.

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: This product is not classified as a mutagen.

Toxicity for Reproduction: This product contains 2-pyrrolidone which showed developmental effects only at high, maternally toxic doses in test animals. Uptake of small doses by humans is not

SAFETY DATA SHEET

SDS Number:	287, REV G PITNEY BOWES, INC.	Effective Date:	February 11, 2010
		Revised Date:	February 19, 2020
Product Name:	Fluorescent Red Ink Cartridge (CG333A, CG329A, CG380A, CG325A)	Page:	7 of 10

expected to cause developmental toxicity. This product is not classified as a reproductive hazard based on animal test data for 2-pyrrolidone which supports a Specific Concentration Limit (SCL) of three percent.

Aspiration Hazard: This product is not classified as an aspiration hazard.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

Product: LC50/96 hr fathead minnow >750 mg/L.
 2-Pyrrolidone: EC50/ 48 hr Water flea (Daphnia pulex) 13.21 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.
 2-Pyrrolidone: log Kow -0.85

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.

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	None	None	No

SAFETY DATA SHEET

SDS Number:	287, REV G PITNEY BOWES, INC.	Effective Date:	February 11, 2010
		Revised Date:	February 19, 2020
Product Name:	Fluorescent Red Ink Cartridge (CG333A, CG329A, CG380A, CG325A)	Page:	8 of 10

		transport			
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).

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.

SAFETY DATA SHEET

SDS Number:	287, REV G PITNEY BOWES, INC.	Effective Date:	February 11, 2010
		Revised Date:	February 19, 2020
Product Name:	Fluorescent Red Ink Cartridge (CG333A, CG329A, CG380A, CG325A)	Page:	9 of 10

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 Aquatic Tox 1 – Acute Aquatic Toxicity Category 1
Acute Aquatic 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
Chronic Aquatic Tox. 1 – Chronic Aquatic Toxicity Category 1
Chronic Aquatic Tox. 2 – Chronic Aquatic Toxicity Category 2
Eye Dam. 1 – Eye Damage Category 1
Eye Irrit. 2A – Eye Irritation Category 2A
Repro Tox. 1B - Toxic to Reproduction Category 1B
Resp. Corr. - Corrosive to the respiratory tract.
Skin Corr. 1B – Skin Corrosion Category 1B
Skin Irrit. 2 – Skin Irritation Category 2
Skin Sens. 1A – Skin Sensitization Category 1A
H301 Toxic if swallowed.
H302 Harmful if swallowed
H311 Toxic in contact with skin
H312 Harmful 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

SAFETY DATA SHEET

SDS Number:	287, REV G PITNEY BOWES, INC.	Effective Date: Revised Date:	February 11, 2010 February 19, 2020
Product Name:	Fluorescent Red Ink Cartridge (CG333A, CG329A, CG380A, CG325A)	Page:	10 of 10

H319 Causes serious eye irritation
H330 Fatal if inhaled.
H360 May damage fertility or the unborn child.
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.
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: February 19, 2020
Revision Summary: Change in classification and listed components.
Change to all sections.
Emergency phone number updated in November 2020

Date of previous revision: January 23, 2019

Gensuite Approval Date:
SDS Prepared By: Chemical Review Team (CRT)