

SAFETY DATA SHEET

SDS Number:	410, REV A PITNEY BOWES INC.	Effective Date:	October 19, 2020
		Revised Date:	October 19, 2020
Product Identifier:	SL-775P	Page:	1 of 9

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

1.1 Product Identifier

Reorder Numbers: SL-775P

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Product Use: Ink cartridge

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

Information Phone Number:
800-243-7824

+44(0) 8705 252 525

905-619-7861

E-mail: ehs@pb.com

SDS Website: www.pb.com/sds

1.4 Emergency Telephone Number

Emergency Spill Information +1 203-922 5340
North America

+1 203-922 5340
International

SDS Date of Preparation: October 19, 2020

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

CLP/GHS Classification (1272/2008):

Physical:	Health:	Environmental
Not Classified	Reproductive Toxicity Category 1B	Not Classified

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2.2 Label Elements:

DANGER!



Contains: 2-Pyrrolidone and 1,2-benzisothiazol-3(2H)-one.
May produce an allergic reaction.

Hazard Phrases

H360	May damage fertility or the unborn child.
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Precautionary Phrases

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P308 + P313	IF exposed or concerned: Get medical attention.
P405	Store locked up.
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 Mixtures:

Chemical Name	CAS#	EINECS#	GHS Classification Regulation (EC) No 1272/2008	%
Water	7732-18-5	231-791-2	Not Classified	50-60
Glycerin	56-81-5	200-289-5	Not Classified	<40
2-Pyrrolidone	616-45-5	210-483-1	Eye Irrit. 2A (H319) Repro. Tox 1B (H360)	<7.5
Ethoxylated- 2,4,7,9- tetramethyl-5- decyne-4,7-diol	9014-85-1	500-022-5	Eye Dam. 1 (H318) Aqua. Acute 3 (H402) Aqua. Chron. 3 (H412)	<2.5
1,2- Benzisothiazolin- 3-one	2634-33-5	220-120-9	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aqua. Acute Tox. 1 (M factor 10x) (H400); Aqua. Chron. Tox. 2 (H411)	<0.05

See Section 16 for further information on GHS Classification.

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SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

Eyes: Flush with plenty of running cold water for several minutes, 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 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 mild eye and skin irritation. Over exposure to vapor or mist may cause respiratory tract irritation, cough, dizziness, drowsiness, head ache and nausea. Ingestion may cause abdominal pain, diarrhea, dizziness, drowsiness, head ache and nausea. May damage fertility or the unborn child.

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 oxides.

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.

6.3 Methods and Material for Containment and Cleaning Up:

Large Spill: Contain spill and absorb with an inert absorbent. Place in an appropriate container for proper disposal.

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

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

7.3 Specific end use(s):

Ink for Postage Meter

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters:

Chemical Name	Exposure Limits
Water	None Established
Glycerin	
United States	15 mg/m ³ TWA (Total dust) OSHA PEL 5 mg/m ³ TWA (Respirable fraction) OSHA PEL
Australia	10 mg/m ³ TWA
Germany	200 mg/m ³ TWA (Inhalable); 400 mg/m ³ STEL (Inhalable)
Spain	10 mg/m ³ TWA
United Kingdom	10 mg/m ³ TWA
2-Pyrrolidone	None Established
Ethoxylated-2,4,7,9-tetramethyl-5-decyne-4,7-diol	None Established
1,2-Benzisothiazolin-3-one	None Established

Refer to local regulations for occupational exposure limits not listed above.

8.2 Exposure Controls:

Engineering Controls: General ventilation sufficient to keep exposure below exposure limits.

Respiratory Protection: None normally 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:

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Appearance: Clear liquid.	Vapor Density: Not determined
Odor: Not determined	Specific Gravity: 1.00-1.10
Odor Threshold: Not determined	Water Solubility: Not determined
pH: 8.8-9.1	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: > 110°C (>230°F)	Viscosity: 3.2-3.3 cP
Evaporation Rate: Not determined	Explosion Properties: Not determined
Flammable Limits: LEL: Not applicable UEL: Not applicable	Oxidizing Properties: Not determined
Vapor Pressure: Not determined	VOC: <445 g/L

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.

10.4 Conditions to Avoid:

None known.

10.5 Incompatible Materials:

Avoid strong oxidizers, acids, and strong bases.

10.6 Hazardous Decomposition Products:

Carbon oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Eyes: May cause mild eye irritation.

Skin: May cause mild skin irritation.

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 upper respiratory tract irritation with possible headache, dizziness, drowsiness, and nausea.

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Acute Toxicity Values:

Product	Not acutely toxic		
Water	Not acutely toxic		
Glycerin	LD50: 6,500 mg/kg LC50: > 570 mg/m3/ 1 hr.	Rat Rat	Oral Inhalation
2-Pyrrolidone	LD50: >5,000 mg/kg LD50: >2,000 mg/kg	Rat Rabbit	Oral Dermal
Ethoxylated-2,4,7,9-tetramethyl-5-decyne-4,7-diol:	LD50: >16,000 mg/kg LD50: >2,000 mg/kg	Rat Rat	Oral Dermal
1,2-Benzisothiazolin-3-one	LD50: 490 mg/kg LD50: >2,000 mg/kg	Rat Rat	Oral Dermal

Eye Irritation / Damage: Based on available data, the classification criteria are not met. Not classified as an irritant according to OECD 405.

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

Sensitization: Based on available data, the classification criteria are not met. Contains 1,2-Benzisothiazolin-3-one which is classified as a skin sensitizer.

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: Contains 2-Pyrrolidone which may damage fertility or the unborn child.

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

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity: Not expected to be harmful to aquatic organisms.

No data available for product.

Glycerin: LC50 Daphnia magna (Water flea) >10000 mg/L/ 24 hr;

LC50 Goldfish >5000 mg/L/ 24 hr

2-Pyrrolidone: EC50 Daphnia pulex (Water flea) 13.21 mg/L/ 48 hr

Ethoxylated-2,4,7,9-tetramethyl-5-decyne-4,7-diol:

LC50 Scophthalmus maximus 52.5 mg/L/ 96 hr.

LC50 Acartia tonsa 166 mg/L/48 hr.

12.2 Persistence and Degradability:

No data available for product.

Glycerin: Readily biodegradable.

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2-Pyrrolidone: Readily biodegradable.

Ethoxylated-2,4,7,9-tetramethyl-5-decyne-4,7-diol: Degraded by 1% after 28 days

12.3 Bioaccumulative Potential:

No data available for product.

Glycerin: An estimated BCF of 3 was calculated in fish for glycerin, using a log Kow of -1.76 and a regression-derived equation. According to a classification scheme, this BCF suggests the potential for bioconcentration in aquatic organisms is low.

2-Pyrrolidone: BCF 3.16 the potential for bioconcentration in aquatic organisms is low.

Ethoxylated-2,4,7,9-tetramethyl-5-decyne-4,7-diol: Not to have high bio concentration potential.

12.4 Mobility in Soil:

No data available for product.

Glycerin: Is expected to have very high mobility in soil

12.5 Results of PBT and vPvB Assessment:

Not required.

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 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

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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 on the EPA TSCA inventory.

Canadian Environmental Protection Act: All of the ingredients are listed on the Canadian Domestic Substances List (DSL). Ink cartridges are exempt.

Japanese Regulations: All of the ingredients of this product are listed on the Japanese Existing and New Chemical Substances Inventory (ENCS). Ink cartridges are exempt.

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

Philippine Regulations: All of the components of this product are listed on the Philippine Inventory of Chemicals and Chemical Substances (PICCS).

New Zealand Regulations: All of the components of this product are listed on the New Zealand Inventory of Chemicals (NZIoC). Ink cartridges are exempt.

Taiwan Regulations: All of the components of this product 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: As per OSHA GHS classification in Section 2 of this SDS.

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

INTERNATIONAL REGULATIONS

German WGK: Not determined.

Other EU Regulations: This product is classified and labeled in accordance with EC CLP. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006 (REACH). Classification is based on either test data or the calculation method.

15.2 Chemical Safety Assessment:

Not required

SECTION 16: OTHER INFORMATION

NFPA Codes:	Health: 1	Fire: 0	Instability: 0
HIMS Codes:	Health: 1*	Fire: 0	Physical Hazard: 0

*Chronic Health Hazard

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

Acute Tox. 4 – Acute Toxicity Category 4

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Aqua. Acute 1 - Hazardous to the Aquatic Environment – Acute Hazard Category 1
Aqua. Acute 3 - Hazardous to the Aquatic Environment – Acute Hazard Category 3
Aqua. Chron. 2 - Hazardous to the Aquatic Environment – Long Term Hazard Category 2
Aqua. Chron. 3 - Hazardous to the Aquatic Environment – Long Term Hazard Category 3
Eye Dam. 1 – Eye Damage Category 1
Eye Irrit. 2A – Eye Irritation Category 2A
Repro. Tox 1B - Reproductive Toxicity Category 1B
Skin Sens. 1 – Skin Sensitizer Category 1
H302 Harmful if swallowed.
H317 May cause an allergic skin reaction
H318 Causes serious eye damage
H319 Causes serious eye irritation
H360 May damage fertility or the unborn child.
H400 Very toxic to aquatic life.
H402 Harmful to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Date of current

revision:

October 19, 2020

Revision Summary:

New SDS. Emergency spill information number updated in November 2020

Date of previous revision: N/A

SDS Prepared By:

Chemical Review Team (CRT)