

SAFETY DATA SHEET

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|----------------------------|--|------------------------|-------------------|
| SDS Number: | 285, REV H PITNEY BOWES INC. | Effective Date: | February 19, 2009 |
| | | Revised Date: | July 19, 2023 |
| Product Identifier: | Non-Fluorescent Blue Ink for K700, K754, & DM60 | Page: | 1 of 8 |

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

1.1 Product Identifier

Trade Name: Non-Fluorescent Blue Ink for K700, K754, & DM60
Reorder Numbers: 797-OSB

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>UK Facility: Building 5 Trident Place Hatfield Business Park Mosquito Way Hatfield Hertfordshire, AL10 9UJ United Kingdom</p> | <p>Canada Distributer: Pitney Bowes Ltd. 5500 Explorer Drive Mississauga, Ontario L4W 5C7 Canada</p> |
|--|---|--|

| | | |
|--|---|--|
| Information Phone Number: 800-243-7824 | Information Phone Number: +44(0) 8705 252 525 | Information Phone Number: 905-619-7861 |
|--|---|--|

E-mail: ehs@pb.com

SDS Website: www.pb.com/sds

1.4 Emergency Telephone Number

| | | |
|------------------------------------|--------------------------------------|--|
| Emergency Spill Information | 800-424-9300 <i>North America</i> | 00-1-703-527-3887 <i>International (collect call)</i> |
|------------------------------------|--------------------------------------|--|

SDS Date of Preparation: July 19, 2023

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): Not classified as hazardous.

2.2 Label Elements: US: None Required.
 EU: Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

2.3 Other Hazards: None

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures:

| Chemical Name | CAS# | EINECS# / REACH Reg No. | GHS Classification Regulation (EC) No 1272/2008 | % |
|---|--------------|----------------------------|--|------------------|
| Water | 7732-18-5 | 231-791-2 | Not Classified | 60-70 |
| Glycerin | 56-81-5 | 200-289-5 | Not Classified | 15-25 |
| Colorant | Trade Secret | Trade Secret | Not Classified | 1-5 |
| Triethylene glycol mono-n-butyl ether | 143-22-6 | 205-592-6 | Eye Dam. 1 (H318) SCL: >= 30% Eye Irrit. 2 (H319) SCL: >= 20% - <30% | <3 |
| 1,2- benzothiazol-3 (2H) | 2634-33-5 | 220-120-9 | Acute Tox. 4 (H302) ATE: 490 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 | 0.015 - <0.05 |

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 for several minutes, holding eyelids open to assure thorough rinsing. Get medical attention if irritation develops or persists.

Skin: Wash with soap and water. Get medical attention if irritation develops or persists.

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

Ingestion: If small amounts are ingested, no first aid should be necessary. If large amounts are swallowed, do not induce vomiting unless directed by a medical professional. 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.

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.

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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: 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 |
|---------------------------------------|--|
| 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 |
| Triethylene glycol mono-n-butyl ether | None Established |
| Colorant | None Established |

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

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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:

| | |
|---|---|
| Appearance: Ink cartridge containing a blue liquid. | Vapor Density: Not determined |
| Color: Blue. | Physical State: Liquid |
| Odor: Slight | Relative Density: 1.0-1.1 |
| Odor Threshold: Not determined | Water Solubility: Soluble |
| pH: Not determined | Octanol/Water Partition Coefficient: Not determined |
| Melting Point/Freezing Point: < -5°C (23°F) | Autoignition Temperature: Not determined |
| Boiling Point: >100°C (212°F) | Decomposition Temperature: Not determined |
| Flash Point: Does not flash at 93.3°C (199.9°F) or lower. | Kinematic Viscosity: Not determined |
| Evaporation Rate: Not determined | Particle Characteristics: Not applicable |
| Flammable Limits: LEL: Not applicable UEL: Not applicable | Flammability: Not applicable |
| Vapor Pressure: Not determined | Relative Vapor Pressure @20°C: (Air = 1) Not determined |

9.2.1 Properties, Safety Characteristics and Test Results for Physical Hazards:

| | |
|---------------------------------------|-----------------------------------|
| Explosion Properties: None | Oxidizing Properties: None |
| Dynamic Viscosity (mPa/s): 1-5 | |

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.

10.3 Possibility of Hazardous Reactions:

None known.

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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.

Acute Toxicity Values:

| | | | |
|---------------------------------------|---------------------------------------|--------|------------|
| Product | LD50: >2,000 mg/kg | | Oral |
| Glycerin | LD50: 6,500 mg/kg | Rat | Oral |
| | LC50: > 570 mg/m ³ / 1 hr. | Rat | Inhalation |
| Triethylene glycol mono-n-butyl ether | LD50: 5,300 mg/kg | Rat | Oral |
| | LD50: 3,540 mg/kg | Rabbit | Dermal |

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

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

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

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.

11.2 Information on Other Hazards

11.2.1 Endocrine Disrupting Properties: None known.

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11.2.2 Other Information: No additional information.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

No data available for product.

Glycerol: LC50 Daphnia magna (Water flea) >10000 mg/L/ 24 hr.

LC50 Goldfish >5000 mg/L/ 24 hr.

Triethylene glycol mono-n-butyl ether:

LC50 Pimephales promelas (Fathead minnow) 2400 mg/L/96 hr.

LC50 Daphnia magna (Water flea) 2210 mg/L/48 hr.

12.2 Persistence and Degradability:

No data available for product.

Glycerin: Biodegradation rate constants of 0.258/day and 0.200/day in respirometric test systems employing activated sludge have been reported, corresponding to 68% and 78% degradation, respectively.

Triethylene glycol mono-n-butyl ether: The theoretical BODs for triethylene glycol monobutyl ether are 0, 5, and 24% for 5 days, 10 days, and 20 days, respectively, indicating that it will be partially removed from biological wastewater treatment plants.

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.

Triethylene glycol mono-n-butyl ether: An estimated BCF of 3 was calculated in fish for triethylene glycol monobutyl ether (SRC), using an estimated log Kow of 0.02 and a regression-derived equation. According to a classification scheme this BCF suggests the potential for bioconcentration in aquatic organisms is low.

12.4 Mobility in Soil:

No data available for product.

Glycerin: Is expected to have very high mobility in soil.

Triethylene glycol mono-n-butyl ether: According to a classification scheme, this estimated Koc value suggests that triethylene glycol monobutyl ether is expected to have very high mobility in soil.

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

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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 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 on the EPA TSCA inventory.

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

Japanese Regulations: All of the components are listed on the Japanese MITI inventory.

U.S. REGULATIONS

CERCLA: Spills of this product are not 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: Triethylene Glycol n-butyl ether: CAS# 143-22-6 (Glycol Ethers)

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

INTERNATIONAL REGULATIONS

German WGK: Not determined.

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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.

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 |

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

Acute Aquatic Tox 1 – Acute Aquatic Toxicity Category 1

Acute Tox. 4 - Acute Toxicity Category 4

Eye Dam. 1 – Eye Damage Category 1

Eye Irrit. 2 – Eye Irritation Category 2

Skin Irrit. 2 – Skin Irritation Category 2

Skin Sens. 1 – Skin Sensitizer Category 1

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life

This SDS conforms to Regulation (EU) No. 1907/2006 and (EC) 2020/878, US OSHA Hazcom 2012 (29 CFR1910.1200), Canada WHMIS 2015 and the GHS.

Date of current revision: April 19, 2023

Revision Summary: Data review. Format update. Revised for Regulation (EC) 2020/878. Changes to all sections.

Date of previous revision: September 22, 2015.