



MATERIAL SAFETY DATA SHEET

MSDS Number:	269, REV E PITNEY BOWES INC.	Effective Date:	April 4, 2005
		Revised Date:	June 18, 2010
Product Name:	Turbo-Jet Black Ink, DM Infinity, DM800, DM900, DM1000	Page:	1 of 6

SECTION 1 – IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name:	Turbo-Jet Black Ink Cartridge, DM Infinity, DM800, DM900, DM1000		
Reorder Number:	772-1: single cartridge for DM Infinity 772-2: dual cartridge for DM Infinity 768-6B: 190 ml, for DM800, DM900, DM1000		
Manufacturer:	Pitney Bowes Inc.		
Address and Phone:	1 Elmcroft Road Stamford, CT 06926-0700 United States 800-243-7824	Pitney Bowes Ltd The Pinnacles Harlow Essex, CM19 5BD +44(0) 8705 252 525	
Emergency/Chemtrec:	800-424-9300 <i>North America</i>	00-1-703-527-3887 <i>International (collect call)</i>	
For SDS Copies:	www.pb.com (go to search)		
For Additional Information:	Email: ehs@pb.com		
Product Use:	Ink for Postage Meters		
MSDS Prepared By:	Chemical Review Board		
WHMIS Reviewed	June 18, 2010		

SECTION 2 – HAZARDS IDENTIFICATION

Emergency Overview:	Ink cartridge containing a black liquid with a slight odor. Combustible liquid and vapor. May cause mild eye and skin irritation. Vapors may cause respiratory irritation.
EU Preparation Classification (1999/45/EC):	Not classified as a dangerous preparation.

See Section 16 for full text of EC Classification and R Phrases

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SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS NO./EINECS NO.	%	EC SUBSTANCE CLASSIFICATION (67/548/EEC)
Glycerin	56-81-5 / 200-289-5	2-6	Not Applicable
Ethylene Glycol	107-21-1 / 203-473-3	2-6	Xn R22
Diethylene Glycol	111-46-6 / 203-872-2	2-6	Xn R22
Isopropyl Alcohol	67-63-0 / 200-661-7	1-3	F, Xi R11, R36, R67
Poly(oxy-1,2-ethanediyl), alpha, alpha'-(1,4-dimethyl-1,4- bis(2-methylpropyl)-2-butyne- 1,4-diyl)bis(omega-hydroxy-	9014-85-1 / 500-022-5	1-2	Xi R41
Tetralithium 6-amino-hydroxy- 3-(7-sulfonato-4-(5-sulfonato-2- naphthylazo)-1- naphthylazo)naphthalene-2,7- disulfonate	107246-80-0 / 403-660-1	1-2	Xi, N R43, R51/53

ADDITIONAL INFORMATION

Non-Hazardous Ingredients: Ammonia derivative, proprietary glycols, water

See Section 16 for full text of EC Classification and R Phrases

SECTION 4 – FIRST AID MEASURES

Eyes:	Immediately flush with plenty of running cool water for 15 minutes, holding eyelids open to assure thorough rinsing. Get medical attention if irritation persists.
Skin:	Wash with soap and water.
Ingestion:	If swallowed, dilute with water. DO NOT induce vomiting. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention.
Inhalation:	Remove person to fresh air. If irritation or pulmonary symptoms develop, consult a physician.

SECTION 5 – FIRE FIGHTING PROCEDURES

Extinguishing Media:	Water spray, carbon dioxide, dry chemical powder, or appropriate foam.
Fire Fighting Instructions:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Unusual Fire and Explosion Hazards:	Ink is a combustible liquid. Vapors are heavier than air and may travel along surfaces to a remote ignition source and flash back. Closed containers may rupture if exposed to extreme heat.
Known or Anticipated Hazardous Products of Combustion:	Ammonia and carbon and nitrogen oxides.

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SECTION 6 – ACCIDENTAL RELEASE MEASURES	
Accidental Release Measures:	Eliminate all sources of ignition. Wipe up with absorbent material and place into a suitable container for disposal. Rinse area with a damp cloth to remove residue.
Personal Precautions:	Avoid contact with eyes, skin and clothing.
Environmental Precautions:	It is recommended to keep away from drains, surface and ground water.
Methods for Cleanup:	
Large Spill:	Not sold in large quantities.
Small Spill:	Eliminate all sources of ignition. Wipe up with an absorbent towel and place into a suitable container for disposal. Rinse area with a damp cloth to remove residue.

SECTION 7 – HANDLING AND STORAGE	
Handling:	Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Wash thoroughly after use.
Storage:	Store in a cool, dry place. Keep out of the reach of children.
Other Precautions:	Keep away from heat, flame and other ignition sources.

SECTION 8 - EXPOSURE CONTROLS & PERSONAL PROTECTION	
Occupational Exposure Limits:	
Glycerin United States	10 mg/m3 TWA ACGIH-TLV (as mist) 15 mg/m3 TWA OSHA-PEL (Total dust) 5 mg/m3 TWA OSHA-PEL (Respirable)
United Kingdom	10 mg/m3 TWA (as mist)
Australia	10 mg/m3 TWA (as mist)
Ethylene Glycol United States	100mg/m3 Ceiling – TLV (as aerosol)
United Kingdom	20 ppm TWA, 40 ppm STEL (as vapor) 10 mg/m3 TWA (particulate)
Australia	20 ppm skin TWA, 40 ppm STEL (as vapor) 10 mg/m3 skin TWA (particulate)
Diethylene Glycol United States	None established
United Kingdom	23 ppm TWA
Australia	23 ppm TWA
Isopropyl Alcohol United States	200 ppm TWA ACGIH-TLV, 400 ppm STEL ACGIH-TLV 400 ppm3 TWA OSHA-PEL
United Kingdom	400 ppm TWA, 500 ppm STEL
Australia	400 ppm TWA, 500 ppm STEL
Poly(oxy-1,2-ethanediyl), alpha,alpha'-(1,4-dimethyl-1,4- bis(2-methylpropyl)-2-butyne-1,4- diyl)bis(omega-hydroxy-	None established
Tetralithium 6-amino-hydroxy-3- (7-sulfonato-4-(5-sulfonato-2- naphthylazo)-1-naphthylazo)	None established

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SECTION 8 - EXPOSURE CONTROLS & PERSONAL PROTECTION	
naphthalene-2,7-disulfonate	
Engineering Controls:	None required
Ventilation Requirements:	General office ventilation.
Personal Protective Equipment:	
Eye/Face Protection:	None normally required. Wear safety glasses if eye contact is possible.
Skin Protection:	None normally required. Avoid skin contact with ink.
Respiratory Protection:	Not required
Other Protective Clothing or Equipment:	Not required.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES	
Appearance:	Ink cartridge containing black ink.
Boiling Point:	Not available
Freezing Point:	Not available
Octanol/Water Partition Coefficient:	Not available
Odor:	Slight odor
Percent Volatile:	55-75
pH Value:	9.4-10.4
Solubility in Water:	Miscible
Specific Gravity or Density (Water=1):	1.04-1.10
Vapor Density:	Not available
Vapor Pressure:	Not available
Volatile Organic Compounds:	198.7 g/L (1.66 lbs/gal)
Flammable Limits in Air (% by Volume):	Not determined
Flash Point:	58.2°C (136°F) Tag Closed Cup
Autoignition Temperature:	Not determined

SECTION 10 - STABILITY AND REACTIVITY	
Stability:	Stable
Incompatibility With Other Materials:	Acids, bases, oxidizing materials and reducing agents. Avoid heat, flames and other sources of ignition. Protect from sunlight.
Hazardous Decomposition Products:	Ammonia and carbon and nitrogen oxides.
Hazardous Polymerization:	Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION	
Relevant Routes of Exposure:	Eye, skin, inhalation, ingestion
Potential Health Effects:	
Eyes:	May cause mild eye irritation with redness and tearing.
Skin:	Prolonged skin contact may cause irritation with redness and itching.

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SECTION 11 - TOXICOLOGICAL INFORMATION

Ingestion:	Swallowing large amounts may cause gastrointestinal irritation, diarrhea, dizziness, drowsiness, headache, nausea and kidney damage.
Inhalation:	High vapor concentrations or prolonged exposure to vapor or mists may cause respiratory irritation, cough, dizziness, drowsiness, headache and nausea.
Medical Conditions Generally Aggravated By Exposure:	None known.
Carcinogenicity:	None of the components of this product are classified as carcinogens by IARC, OSHA, NTP, ACGIH, or the EU Directives.

Acute Toxicity Data:

VALUE	ANIMAL	ROUTES	COMPONENTS
LC50: No data available			Product Data

Additional Information

This product does not cause eye or skin irritation based on studies with laboratory animals. This product tested negative in skin sensitization tests with guinea-pigs. The product tested negative in the AMES test for mutagenicity.

SECTION 12 - ECOLOGICAL INFORMATION

Ecological Information:	No data available
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SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Considerations:	Dispose in accordance with local, state or provincial and federal or national regulations.
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SECTION 14 - TRANSPORT INFORMATION

Not regulated for transportation under IATA/ICAO, IMDG, US DOT, EU ADR, or Canadian TDG Regulations.

SECTION 15 - REGULATORY INFORMATION

EU Regulations: EU Labeling:	All of the components are listed on the EINECS or ELINCS inventories. None Required
German WGK:	Not determined
Canadian Regulations:	Canada: Not a controlled product (manufactured article).
Japanese Regulations:	This product is considered a manufactured article.
Australian Regulations:	All of the components are listed in the AICS inventory.
US Federal Regulations:	This product contains chemical or chemical compounds listed in the following SARA Title III categories: Extremely Hazardous Substances (302): None Toxic Chemical Release Reporting (313): Ethylene glycol 2-6%, SARA 311/312 Hazards: Acute Health, Fire TSCA: All the components of this product are listed in the EPA TSCA Inventory.

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SECTION 15 - REGULATORY INFORMATION

US State Regulations:	This product does not contain any chemicals subject to California Proposition 65.
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SECTION 16 - OTHER INFORMATION

NFPA Codes:	Health: 1 Fire: 2 Reactivity: 0
HMIS Codes:	Health: 1 Fire: 2 Reactivity: 0
EU Classes and Risk Phrases for Reference (See Sections 2 and 3):	F Flammable N Dangerous to the environment Xi Irritant Xn Harmful R11 Highly flammable R22 Harmful if swallowed. R36 Irritating to eyes. R41 Risk of serious damage to eyes. R43 May cause sensitization by skin contact. R51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment. R67 Vapours may cause drowsiness and dizziness.
Other Information:	Keep out of reach of children.