

SAFETY DATA SHEET

SDS Number:	409, REV A, SDS PITNEY BOWES, INC.	Effective Date: Revised Date:	September 23, 2020 N/A
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2.3 Other Hazards: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances:

Chemical Name	CAS#	EINECS#	GHS Classification Regulation (EC) No 1272/2008	%
Water	7732-18-5	231-791-2	Not Hazardous	60-80
Glycol	Proprietary	Proprietary	Not Hazardous	5-15
Glycerin	56-81-5	200-289-5	Not Hazardous	5-10

The exact concentrations are a trade secret.
See Section 16 for further information on GHS Classification.

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

Eyes: Flush eyes with plenty of cool water, 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: Do not induce vomiting unless directed by a physician. Rinse mouth with water. Seek medical attention if large amounts are ingested.

Notes to Physicians: Treat symptomatically.

4.2 Most Important symptoms and effects, both acute and delayed: May cause eye mild and skin irritation. Swallowing may cause gastric upset.

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: Not classified as flammable or combustible.

Hazardous Decomposition Products: Carbon dioxide and Carbon monoxide

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. Ventilate the area.

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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 an absorbent towel and place into a suitable container for disposal. Wash spill site with soap and water 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:

Store in a cool, dry location. Keep out of the reach of children.

7.3 Specific end use(s):

Ink for Ink Jet Printer.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters:

Chemical Name	Exposure Limits
Water	None Established
Glycol	None Established
Glycerin	
United States	15 mg/m ³ TWA OSHA PEL (total dust) 5 mg/m ³ TWA OSHA PEL (respirable fraction)
Australia	10 mg/m ³ TWA
Germany	200 mg/m ³ TWA (Inhaleable); 400 mg/ m ³ STEL (Inhaleable)
Spain	10 mg/m ³ TWA
United Kingdom	10 mg/m ³ TWA

8.2 Exposure Controls:

Engineering Controls: None required with normal use.

Respiratory Protection: Not required under normal use conditions.

Skin Protection: Impervious gloves recommended as needed to avoid prolonged skin contact.

Eye Protection: Safety glasses recommended if eye contact is possible.

Other: None required under normal use conditions.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic Physical and Chemical Properties:

Appearance: Black liquid	Vapor Density: Not determined
Odor: Slight.	Specific Gravity: 1.0 – 1.1
Odor Threshold: Not determined	Water Solubility: Miscible
pH: 8 - 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: >199.4°F (>93°C) TCC	Viscosity (mPa·s): 1-5
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: 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.

10.4 Conditions to Avoid:

Keep away from heat and flames.

10.5 Incompatible Materials:

Avoid oxidizing agents.

10.6 Hazardous Decomposition Products:

Thermal decomposition may produce carbon oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Eyes: May cause mild irritation.

Skin: Skin contact may cause mild irritation. Direct contact may stain tissues. Contains

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some components that may cause an allergic skin reaction in sensitized individuals.

Ingestion: Swallowing may cause gastric upset with nausea.

Inhalation: Excessive inhalation of mists may cause mild upper respiratory tract irritation.

Acute Toxicity Values:

Not classified as acutely toxic.

Glycol:	Not classified as acutely toxic.		
Glycerin:	LD50: 6,500 mg/kg	Rat	Oral
	LC50: > 570 mg/m ³ / 1 hr.	Rat	Inhalation

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

Skin Irritation / Corrosion: 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: 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:

Fish, 96h LC50 > 100 mg/L (Estimate) (OECD Guideline)

Crustaceans, 48h EC50 > 100 mg/L (Estimate) (OECD Guideline)

Algae, ErC50 (0-7 day) > 100 mg/L, NOEC = 100 mg/L (Estimate) (OECD Guideline)

12.2 Persistence and Degradability:

No data available for product.

Glycerin: Readily biodegradable.

12.3 Bioaccumulative Potential:

No data available for product.

Glycerin: Estimated BCF of 3 suggests the potential for bio concentration 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.

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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

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.

U.S. REGULATIONS

CERCLA: This product has no RQ. 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.

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

TSCA: This product contains substance(s) which are subject to TSCA Section 5(a)(2), Significant New Use Rule (SNUR; 40 CFR 721.11036). Do not use this product other than as inkjet printer ink. Also, do not release this product into the waters of United State. This product is subject to TSCA Section 12(b) export notification requirements. If you need more information about TSCA Section 12(b), please contact us.

California Proposition 65: This product contains the following chemicals which are known to the State of California to cause birth defects or other reproductive harm: None.

INTERNATIONAL REGULATIONS

German WGK: Not determined.

15.2 Chemical Safety Assessment:
Not required

SECTION 16: OTHER INFORMATION

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

GHS Phrases for Reference (See Section 2 and 3):
None.

Date of current revision:

September 23, 2020

Revision Summary: New EU/US SDS. Emergency spill information number updated in November 2020

Date of previous revision: N/A

Gensuite Approval Date:

SDS Prepared By: Chemical Review Team (CRT)