SAFETY DATA SHEET

Papermate InkJoy Gel Inks (All colors)

Section 1. Identification

Product identifier : Papermate InkJoy Gel Inks (All colors)

Product code : PM INKJOY GEL INK (ALL COLORS); 1956275; 1956277; 1956278; 1956279; 2162814; 2205629

Other means of identification : PM INKJOY GEL INK (ALL COLORS); 1956275; 1956277; 1956278; 1956279; 2162814; 2205629

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Not applicable.

Uses advised against INK for Papermate Inkjoy Gel Pen; Ink Refill for Inkjoy Gel Pen; Waterbased Gel Ink (All colors)

Supplier's details : Newell Brands
Caribbean Park, Level 3, 35 Dalmore Drive
Scoresby VIC 3179, Australia
+61 (0)1800 NEWELL (1800 639 355)
csaust@newellco.com

Emergency telephone number (with hours of operation) : CHEMTREC®Australia +(61)-290372994 (24 hours)

Section 2. Hazard(s) identification

Classification of the substance or mixture :

GEL PEN BERRY INK-CGT 199/9	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B
GEL PEN BRIGHT BLUE INK-CGT 199/12	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B
GEL PEN ORANGE INK-CGT 199/11	Not classified.
GEL PEN AQUAMARINE INK-QG 8802	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B
GEL PEN BLACK INK-QG 8810	Not classified.
GEL PEN GREEN INK-CGT 122/182	Not classified.
GEL PEN PINK INK - CGT 101/228	Not classified.
GEL PEN PURE BLUE INK-CGT 122/287	Not classified.
GEL PEN PURPLE INK-CGT 122/543	Not classified.
GEL PEN RED INK-CGT 122/9	Not classified.
GEL PEN SLATE BLUE INK-CGT 121/285	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B
GEL PEN TEAL INK-CGT 120/12	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B

GHS label elements

Section 2. Hazard(s) identification

Hazard pictograms : GEL PEN BERRY INK-CGT 199/9
GEL PEN BRIGHT BLUE INK-CGT 199/12
GEL PEN ORANGE INK-CGT 199/11
GEL PEN AQUAMARINE INK-QG 8802
GEL PEN BLACK INK-QG 8810
GEL PEN GREEN INK-CGT 122/182
GEL PEN PINK INK - CGT 101/228
GEL PEN PURE BLUE INK-CGT 122/287
GEL PEN PURPLE INK-CGT 122/543
GEL PEN RED INK-CGT 122/9
GEL PEN SLATE BLUE INK-CGT 121/285
GEL PEN TEAL INK-CGT 120/12

Signal word :

GEL PEN BERRY INK-CGT 199/9	WARNING
GEL PEN BRIGHT BLUE INK-CGT 199/12	WARNING
GEL PEN ORANGE INK-CGT 199/11	No signal word.
GEL PEN AQUAMARINE INK-QG 8802	WARNING
GEL PEN BLACK INK-QG 8810	No signal word.
GEL PEN GREEN INK-CGT 122/182	No signal word.
GEL PEN PINK INK - CGT 101/228	No signal word.
GEL PEN PURE BLUE INK-CGT 122/287	No signal word.
GEL PEN PURPLE INK-CGT 122/543	No signal word.
GEL PEN RED INK-CGT 122/9	No signal word.
GEL PEN SLATE BLUE INK-CGT 121/285	WARNING
GEL PEN TEAL INK-CGT 120/12	WARNING

Hazard statements :

GEL PEN BERRY INK-CGT 199/9	Causes eye irritation.
GEL PEN BRIGHT BLUE INK-CGT 199/12	Causes eye irritation.
GEL PEN ORANGE INK-CGT 199/11	No known significant effects or critical hazards.
GEL PEN AQUAMARINE INK-QG 8802	Causes eye irritation.
GEL PEN BLACK INK-QG 8810	No known significant effects or critical hazards.
GEL PEN GREEN INK-CGT 122/182	No known significant effects or critical hazards.
GEL PEN PINK INK - CGT 101/228	No known significant effects or critical hazards.
GEL PEN PURE BLUE INK-CGT 122/287	No known significant effects or critical hazards.
GEL PEN PURPLE INK-CGT 122/543	No known significant effects or critical hazards.
GEL PEN RED INK-CGT 122/9	No known significant effects or critical hazards.
GEL PEN SLATE BLUE INK-CGT 121/285	Causes eye irritation.
GEL PEN TEAL INK-CGT 120/12	Causes eye irritation.

Precautionary statements

General : Read carefully and follow all instructions. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention : Not applicable.

Response : Not applicable.

Storage : Not applicable.

Disposal : Not applicable.

Supplemental label elements : Not applicable.

Section 2. Hazard(s) identification

Other hazards which do not result in classification : None known.

Section 3. Composition and ingredient information

Substance/mixture : Mixture

Other means of identification : PM INKJOY GEL INK (ALL COLORS); 1956275; 1956277; 1956278; 1956279; 2162814; 2205629

Ingredient name	% (w/w)	Identifiers
GEL PEN BERRY INK-CGT 199/9		
glycerol	≥10 - ≤30	CAS: 56-81-5 EC: 200-289-5
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	≥10 - ≤30	CAS: 25322-68-3 EC: 500-038-2
GEL PEN BRIGHT BLUE INK-CGT 199/12		
glycerol	≥10 - ≤30	CAS: 56-81-5 EC: 200-289-5
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	≥10 - ≤30	CAS: 25322-68-3 EC: 500-038-2
GEL PEN ORANGE INK-CGT 199/11		
GEL PEN ORANGE INK-CGT 199/11	100	-
GEL PEN AQUAMARINE INK-QG 8802		
glycerol	≥10 - ≤30	CAS: 56-81-5 EC: 200-289-5
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	≥10 - ≤30	CAS: 25322-68-3 EC: 500-038-2
GEL PEN BLACK INK-QG 8810		
glycerol	<10	CAS: 56-81-5 EC: 200-289-5
GEL PEN GREEN INK-CGT 122/182		
GEL PEN GREEN INK-CGT 122/182	100	-
GEL PEN SLATE BLUE INK-CGT 121/285		
glycerol	≥10 - ≤30	CAS: 56-81-5 EC: 200-289-5
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	≥10 - ≤30	CAS: 25322-68-3 EC: 500-038-2
GEL PEN TEAL INK-CGT 120/12		

Section 3. Composition and ingredient information

glycerol	≥10 - ≤30	CAS: 56-81-5 EC: 200-289-5
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	≥10 - ≤30	CAS: 25322-68-3 EC: 500-038-2

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

The total concentration of ingredients in this product, reported or not in this section, is 100%.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Section 5. Fire-fighting measures

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
halogenated compounds
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contain and collect spillage with non-combustible, absorbent material e. g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls and personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
GEL PEN BERRY INK-CGT 199/9 glycerol Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	**Safe Work Australia (Australia, 1/2024)** TWA 8 hours: 10 mg/m³. **DFG MAC-values list (Germany, 7/2023) [Polyethylene glycol (average molecular weight 200 – 600)]** Develop C. TWA 8 hours: 200 mg/m³. Form: inhalable fraction. PEAK 15 minutes: 400 mg/m³ 4 times per shift [Interval: 1 hour]. Form: inhalable fraction.
GEL PEN BRIGHT BLUE INK-CGT 199/12 glycerol Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	**Safe Work Australia (Australia, 1/2024)** TWA 8 hours: 10 mg/m³. **DFG MAC-values list (Germany, 7/2023) [Polyethylene glycol (average molecular weight 200 – 600)]** Develop C. TWA 8 hours: 200 mg/m³. Form: inhalable fraction. PEAK 15 minutes: 400 mg/m³ 4 times per shift [Interval: 1 hour]. Form: inhalable fraction.
GEL PEN AQUAMARINE INK-QG 8802 glycerol Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	**Safe Work Australia (Australia, 1/2024)** TWA 8 hours: 10 mg/m³. **DFG MAC-values list (Germany, 7/2023) [Polyethylene glycol (average molecular weight 200 – 600)]** Develop C. TWA 8 hours: 200 mg/m³. Form: inhalable fraction. PEAK 15 minutes: 400 mg/m³ 4 times per shift [Interval: 1 hour]. Form: inhalable fraction.
GEL PEN BLACK INK-QG 8810 glycerol	**Safe Work Australia (Australia, 1/2024)** TWA 8 hours: 10 mg/m³.
GEL PEN SLATE BLUE INK-CGT 121/285 glycerol Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	**Safe Work Australia (Australia, 1/2024)** TWA 8 hours: 10 mg/m³. **DFG MAC-values list (Germany, 7/2023) [Polyethylene glycol (average molecular weight 200 – 600)]** Develop C. TWA 8 hours: 200 mg/m³. Form: inhalable fraction. PEAK 15 minutes: 400 mg/m³ 4 times per shift [Interval: 1 hour]. Form: inhalable fraction.
GEL PEN TEAL INK-CGT 120/12 glycerol Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol,	**Safe Work Australia (Australia, 1/2024)** TWA 8 hours: 10 mg/m³. **DFG MAC-values list (Germany, 7/2023)**

Section 8. Exposure controls and personal protection

ethoxylated	**[Polyethylene glycol (average molecular weight 200 – 600)]** Develop C. TWA 8 hours: 200 mg/m³. Form: inhalable fraction. PEAK 15 minutes: 400 mg/m³ 4 times per shift [Interval: 1 hour]. Form: inhalable fraction.

Biological exposure indices

No exposure indices known.

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state : Liquid.

Color : Not available.

Odor : Not available.

Odor threshold : Not available.

pH : Not available.

Melting point/freezing point :

Section 9. Physical and chemical properties and safety characteristics

Boiling point or initial boiling point and boiling range :

Flash point : Not available.

Fire point :

Evaporation rate :

Flammability : Not available.

Lower and upper explosion limit/flammability limit :

Vapor pressure : Not available.

Relative vapor density : Not available.

Relative density :

Density :

Solubility in water : Not available.

Partition coefficient: n-octanol/water :

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity :

Molecular weight :

Particle characteristics

Median particle size : Not applicable.

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Incompatible materials : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result
GEL PEN BERRY INK-CGT 199/9	
glycerol	**Rat - Oral - LD50** 12600 mg/kg Toxic effects: Behavioral - General anesthetic Behavioral - Muscle weakness Liver - Other changes
GEL PEN BRIGHT BLUE INK-CGT 199/12	
glycerol	**Rat - Oral - LD50**

Section 11. Toxicological information

Toxic effects: Behavioral - General anesthetic Behavioral - Muscle weakness Liver - Other changes

GEL PEN AQUAMARINE INK-QG 8802

glycerol

Rat - Oral - LD50
12600 mg/kg
Toxic effects: Behavioral - General anesthetic Behavioral - Muscle weakness Liver - Other changes

GEL PEN BLACK INK-QG 8810

glycerol

Rat - Oral - LD50
12600 mg/kg
Toxic effects: Behavioral - General anesthetic Behavioral - Muscle weakness Liver - Other changes

GEL PEN SLATE BLUE INK-CGT 121/285

glycerol

Rat - Oral - LD50
12600 mg/kg
Toxic effects: Behavioral - General anesthetic Behavioral - Muscle weakness Liver - Other changes

GEL PEN TEAL INK-CGT 120/12

glycerol

Rat - Oral - LD50
12600 mg/kg
Toxic effects: Behavioral - General anesthetic Behavioral - Muscle weakness Liver - Other changes

Conclusion/Summary [Product] : Not available.

Skin corrosion/irritation

Product/ingredient name	Result
GEL PEN BERRY INK-CGT 199/9	
glycerol	**Rabbit - Skin - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy-Ethane-1,2-diol, ethoxylated	**Rabbit - Skin - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg **Rabbit - Skin - Mild irritant** Amount/concentration applied: 500 mg **Rabbit - Skin - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg **Rabbit - Skin - Mild irritant** Amount/concentration applied: 500 mg **Rabbit - Skin - Mild irritant** Amount/concentration applied: 500 mg
GEL PEN BRIGHT BLUE INK-CGT 199/12	
glycerol	**Rabbit - Skin - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy-Ethane-1,2-diol, ethoxylated	**Rabbit - Skin - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg **Rabbit - Skin - Mild irritant** Amount/concentration applied: 500 mg **Rabbit - Skin - Mild irritant** Duration of treatment/exposure: 24 hours

Section 11. Toxicological information

	Rabbit - Skin - Mild irritant Amount/concentration applied: 500 mg **Rabbit - Skin - Mild irritant** Amount/concentration applied: 500 mg
GEL PEN AQUAMARINE INK-QG 8802	
glycerol	**Rabbit - Skin - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy-Ethane-1,2-diol, ethoxylated	**Rabbit - Skin - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg **Rabbit - Skin - Mild irritant** Amount/concentration applied: 500 mg **Rabbit - Skin - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg **Rabbit - Skin - Mild irritant** Amount/concentration applied: 500 mg **Rabbit - Skin - Mild irritant** Amount/concentration applied: 500 mg
GEL PEN BLACK INK-QG 8810	
glycerol	**Rabbit - Skin - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg
GEL PEN SLATE BLUE INK-CGT 121/285	
glycerol	**Rabbit - Skin - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy-Ethane-1,2-diol, ethoxylated	**Rabbit - Skin - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg **Rabbit - Skin - Mild irritant** Amount/concentration applied: 500 mg **Rabbit - Skin - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg **Rabbit - Skin - Mild irritant** Amount/concentration applied: 500 mg **Rabbit - Skin - Mild irritant** Amount/concentration applied: 500 mg
GEL PEN TEAL INK-CGT 120/12	
glycerol	**Rabbit - Skin - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy-Ethane-1,2-diol, ethoxylated	**Rabbit - Skin - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg **Rabbit - Skin - Mild irritant** Amount/concentration applied: 500 mg **Rabbit - Skin - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg **Rabbit - Skin - Mild irritant** Amount/concentration applied: 500 mg **Rabbit - Skin - Mild irritant** Amount/concentration applied: 500 mg

Section 11. Toxicological information

Conclusion/Summary [Product] : Not available.

Serious eye damage/eye irritation

Product/ingredient name	Result
GEL PEN BERRY INK-CGT 199/9	
glycerol	**Rabbit - Eyes - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy-Ethane-1,2-diol, ethoxylated	**Rabbit - Eyes - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg **Rabbit - Eyes - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg **Rabbit - Eyes - Mild irritant** Amount/concentration applied: 500 mg **Rabbit - Eyes - Mild irritant** Amount/concentration applied: 100 uL
GEL PEN BRIGHT BLUE INK-CGT 199/12	
glycerol	**Rabbit - Eyes - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy-Ethane-1,2-diol, ethoxylated	**Rabbit - Eyes - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg **Rabbit - Eyes - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg **Rabbit - Eyes - Mild irritant** Amount/concentration applied: 500 mg **Rabbit - Eyes - Mild irritant** Amount/concentration applied: 100 uL
GEL PEN AQUAMARINE INK-QG 8802	
glycerol	**Rabbit - Eyes - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy-Ethane-1,2-diol, ethoxylated	**Rabbit - Eyes - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg **Rabbit - Eyes - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg **Rabbit - Eyes - Mild irritant** Amount/concentration applied: 500 mg **Rabbit - Eyes - Mild irritant** Amount/concentration applied: 100 uL
GEL PEN BLACK INK-QG 8810	
glycerol	**Rabbit - Eyes - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg
GEL PEN SLATE BLUE INK-CGT 121/285	
glycerol	**Rabbit - Eyes - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy-Ethane-1,2-diol, ethoxylated	**Rabbit - Eyes - Mild irritant**

Section 11. Toxicological information

	Amount/concentration applied: 500 mg **Rabbit - Eyes - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg **Rabbit - Eyes - Mild irritant** Amount/concentration applied: 500 mg **Rabbit - Eyes - Mild irritant** Amount/concentration applied: 100 uL
GEL PEN TEAL INK-CGT 120/12	
glycerol	**Rabbit - Eyes - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy-Ethane-1,2-diol, ethoxylated	**Rabbit - Eyes - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg **Rabbit - Eyes - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg **Rabbit - Eyes - Mild irritant** Amount/concentration applied: 500 mg **Rabbit - Eyes - Mild irritant** Amount/concentration applied: 100 uL

Conclusion/Summary [Product] : Not available.

Respiratory corrosion/irritation

Not available.

Conclusion/Summary [Product] : Not available.

Respiratory or skin sensitization

Not available.

Skin

Conclusion/Summary [Product] : Not available.

Respiratory

Conclusion/Summary [Product] : Not available.

Germ cell mutagenicity

Not available.

Conclusion/Summary [Product] : Not available.

Carcinogenicity

Not available.

Conclusion/Summary [Product] : Not available.

Reproductive toxicity

Not available.

Section 11. Toxicological information

Conclusion/Summary [Product] : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure

Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

Conclusion/Summary [Product] : Not available.

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Section 11. Toxicological information

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
GEL PEN BERRY INK-CGT 199/9 glycerol	12600	N/A	N/A	N/A	N/A
GEL PEN BRIGHT BLUE INK-CGT 199/12 glycerol	12600	N/A	N/A	N/A	N/A
GEL PEN AQUAMARINE INK-QG 8802 glycerol	12600	N/A	N/A	N/A	N/A
GEL PEN BLACK INK-QG 8810 glycerol	12600	N/A	N/A	N/A	N/A
GEL PEN SLATE BLUE INK-CGT 121/285 glycerol	12600	N/A	N/A	N/A	N/A
GEL PEN TEAL INK-CGT 120/12 glycerol	12600	N/A	N/A	N/A	N/A

Other information

Section 12. Ecological information

Toxicity

Product/ingredient name	Result
GEL PEN BERRY INK-CGT 199/9 Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy-Ethane-1,2-diol, ethoxylated	**Acute - LC50 - Fresh water** Fish - Atlantic salmon - *Salmo salar* - Parr Size: 8.2 to 11.7 cm; Weight: 5.1 to 14.1 g >1000 mg/l [96 hours] Effect: Mortality
GEL PEN BRIGHT BLUE INK-CGT 199/12 Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy-Ethane-1,2-diol, ethoxylated	**Acute - LC50 - Fresh water** Fish - Atlantic salmon - *Salmo salar* - Parr Size: 8.2 to 11.7 cm; Weight: 5.1 to 14.1 g >1000 mg/l [96 hours] Effect: Mortality
GEL PEN AQUAMARINE INK-QG 8802 Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy-Ethane-1,2-diol, ethoxylated	**Acute - LC50 - Fresh water** Fish - Atlantic salmon - *Salmo salar* - Parr Size: 8.2 to 11.7 cm; Weight: 5.1 to 14.1 g >1000 mg/l [96 hours] Effect: Mortality
GEL PEN SLATE BLUE INK-CGT 121/285 Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy-Ethane-1,2-diol, ethoxylated	**Acute - LC50 - Fresh water** Fish - Atlantic salmon - *Salmo salar* - Parr Size: 8.2 to 11.7 cm; Weight: 5.1 to 14.1 g >1000 mg/l [96 hours] Effect: Mortality
GEL PEN TEAL INK-CGT 120/12	

Section 12. Ecological information

Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy-Ethane-1,2-diol, ethoxylated

Acute - LC50 - Fresh water
Fish - Atlantic salmon - *Salmo salar* - Parr
Size: 8.2 to 11.7 cm; Weight: 5.1 to 14.1 g
>1000 mg/l [96 hours]
Effect: Mortality

Conclusion/Summary [Product] : Not available.

Persistence and degradability

Not available.

Conclusion/Summary [Product] : Not available.

Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
GEL PEN BERRY INK-CGT 199/9			
glycerol	-1.76	-	Low
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	-	3.2	Low
GEL PEN BRIGHT BLUE INK-CGT 199/12			
glycerol	-1.76	-	Low
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	-	3.2	Low
GEL PEN AQUAMARINE INK-QG 8802			
glycerol	-1.76	-	Low
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	-	3.2	Low
GEL PEN BLACK INK-QG 8810			
glycerol	-1.76	-	Low
GEL PEN SLATE BLUE INK-CGT 121/285			
glycerol	-1.76	-	Low
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	-	3.2	Low
GEL PEN TEAL INK-CGT 120/12			
glycerol	-1.76	-	Low
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	-	3.2	Low

Mobility in soil

Soil/Water partition : Not available.

Section 12. Ecological information

Other adverse effects

No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	ADG	ADR/RID	IMDG	IATA
UN number	Not available.	Not available.	Not regulated.	Not regulated.
UN proper shipping name	Not available.	Not available.	-	-
Transport hazard class(es)	Not available.	Not available.	-	-
Packing group	-	-	-	-
Environmental hazards	No.	No.	No.	No.

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to IMO instruments : Not available.

Section 15. Regulatory information

Standard for the Uniform Scheduling of Medicines and Poisons

Not regulated.

Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Section 15. Regulatory information

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia	:	Listed
Canada	:	Not determined.
China	:	Not determined.
Eurasian Economic Union	:	**Russian Federation inventory**: Not determined.
Japan	:	**Japan inventory (CSCL)**: Not determined. **Japan inventory (ISHL)**: Not determined.
New Zealand	:	Not determined.
Philippines	:	Not determined.
Republic of Korea	:	Not determined.
Taiwan	:	Not determined.
Thailand	:	Not determined.
Turkey	:	Not determined.
United States	:	Not determined.
Viet Nam	:	Not determined.

Section 16. Any other relevant information

History

Date of printing	:	3/28/2025
Date of issue/Date of revision	:	3/28/2025
Date of previous issue	:	3/28/2025
Version	:	3
Key to abbreviations	:	ADG = Australian Dangerous Goods ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) N/A = Not available RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail SGG = Segregation Group SUSMP = Standard Uniform Schedule of Medicine and Poisons UN = United Nations

Procedure used to derive the classification

Section 16. Any other relevant information

Classification	Justification
GEL PEN BERRY INK-CGT 199/9 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B	Calculation method
GEL PEN BRIGHT BLUE INK-CGT 199/12 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B	Calculation method
GEL PEN AQUAMARINE INK-QG 8802 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B	Calculation method
GEL PEN SLATE BLUE INK-CGT 121/285 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B	Calculation method
GEL PEN TEAL INK-CGT 120/12 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B	Calculation method

References : Not available.

Indicates information that has changed from previously issued version.

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