

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

**Product Name:** Canon Ink Tank CLI-226GY  
**Product Code:** 4550B  
**Manufacturer:** Canon Inc.,30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo, Japan, Ph#03-3758-2111.  
**Supplier:** Canon USA Inc.,One Canon Park, Melville, NY, 11747, USA  
**Phone #:** 1-800-OK-CANON 24Hr. EmergencyCHEMTREC# 1-800-424-9300

**SECTION 2 HAZARDS IDENTIFICATION**

**EU Classification:**

Not classified as dangerous.

**Emergency Overview:**

Ink tank containing black liquid ink with slight odor.

**Potential Health Effects and Symptoms:**

**Inhalation:**

No adverse effects are expected under intended use.

Over exposure to vapor or mist may cause respiratory tract irritation, cough, dizziness, drowsiness, headache and nausea.

**Ingestion:**

May cause abdominal pain, diarrhea, dizziness, drowsiness, dullness, headache, nausea and vomiting.

**Eye:**

May cause minimal irritation. (See SECTION 11)

**Skin:**

Neither irritation nor sensitization is expected. (See SECTION 11)

**Chronic Effects:**

Not identified

**Medical Conditions Generally known to be Aggravated by Exposure:**

Not identified

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

< Ingredient(s) >

| Chemical Name /<br>Generic Name    | CAS # /<br>EC #          | Weight<br>% | EU Symbol/<br>R-Phrase | USA<br>OSHA PEL                                                                                              | ACGIH TLV                               | EU OEL          | DFG MAK                |
|------------------------------------|--------------------------|-------------|------------------------|--------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------------|------------------------|
| Glycerin                           | 56-81-5 /<br>200-289-5   | 5 - 10      | None / None            | (as mist)<br>Total dust<br>TWA = 15 mg/m <sup>3</sup><br>Respirable<br>fraction<br>TWA = 5 mg/m <sup>3</sup> | (as mist)<br>TWA = 10 mg/m <sup>3</sup> | Not established | Not established        |
| Ethylene urea                      | 120-93-4 /<br>204-436-4  | 5 - 10      | Xi / R36               | Not established                                                                                              | Not established                         | Not established | Not established        |
| Triethylene glycol                 | 112-27-6 /<br>203-953-2  | 5 - 10      | None / None            | Not established                                                                                              | Not established                         | Not established | 1000 mg/m <sup>3</sup> |
| Substituted<br>Phthalocyanine salt | Confidential             | 1 - 5       | Xi / R41               | Not established                                                                                              | Not established                         | Not established | Not established        |
| Pyridine Azo dye                   | Confidential             | 1 - 5       | N / R51/53             | Not established                                                                                              | Not established                         | Not established | Not established        |
| Water                              | 7732-18-5 /<br>231-791-2 | 60 - 80     | None / None            | Not established                                                                                              | Not established                         | Not established | Not established        |

< Carcinogen >

No component of this ink is listed as a human carcinogen or a potential carcinogen in IARC Monographs, NTP, OSHA regulations or Part 3 of Annex VI to Regulation (EC) No 1272/2008.

< PBT substance and vPvB substance >

No component of this ink is a PBT or vPvB substance under Regulation (EC) No 1907/2006.

## SECTION 4 FIRST AID MEASURES

### First Aid Measures:

#### Inhalation:

If symptoms are experienced, move victim to fresh air and obtain medical advice.

#### Ingestion:

Rinse mouth. Give one or two glasses of water.

If irritation or discomfort occurs, obtain medical advice immediately.

#### Eye:

Immediately flush with lukewarm, gently flowing water for 5 minutes or until the chemical is removed.

If irritation persists, obtain medical advice immediately.

#### Skin:

Wash with water and soap or mild detergent.

If irritation persists, obtain medical advice.

### Note to Physicians:

None

## SECTION 5 FIRE FIGHTING MEASURES

### Fire Fighting Measures:

#### Extinguishing Media:

CO<sub>2</sub>, water, foam or dry chemicals

#### Unsuitable Extinguishing Media:

None

#### Special Fire Fighting Procedures:

None

#### Unusual Fire and Explosion Hazards:

None

### Fire and Explosive Properties (See also SECTION 9):

#### Hazardous Combustion Products:

CO, CO<sub>2</sub>, NO<sub>x</sub> and SO<sub>x</sub>

#### Other Properties:

None

## SECTION 6 ACCIDENTAL RELEASE MEASURES

### Personal Precautions:

Avoid contact with skin, eyes and clothing.

### Environmental Precautions:

Do not release to sewer, surface water or ground water.

### Method for Cleaning Up:

Wipe off with wet cloth or paper.

## SECTION 7 HANDLING AND STORAGE

### Handling:

Use with adequate ventilation.

Avoid contact with skin, eyes and clothing.

In case of contact, wash out the contaminated area immediately.

### Storage:

Keep in a cool and dry place.

Protect from sunlight.

Keep out of the reach of children.

### Specific Uses:

Ink for Ink Jet Printer.

For more information, please refer to the instruction of this product.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines: Not established for this ink. (See also SECTION 3)

Engineering Controls: Use adequate ventilation.

Personal Protection Equipment(s):

Respiratory Protection: ☐ Required ☒ Not Required

Eye/Face Protection: ☐ Required ☒ Not Required

Skin Protection: ☐ Required ☒ Not Required

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Black liquid

Odor: Slight odor

pH: 8 - 9

Boiling Point/Range(°C): Not available

Melting Point/Range(°C): Not available

Decomposition Temperature(°C): Not available

Flash Point(°C): None (Estimate)

Flammable (Explosive) Limits: Not available

Autoignition Temperature(°C): Not available

Flammability: Neither flammable nor combustible.

Explosive Properties: None (Estimate)

Oxidizing Properties: None (Estimate)

Vapor Pressure : Not available

Vapor Density : Not available

Density / Specific Gravity: 1.0 - 1.1

Water Solubility : Miscible

Fat Solubility : Not available

Partition Coefficient (n-Octanol/Water): Not available

Percent Volatile (%): 60 - 80

Evaporation Rate: Not available

Viscosity (mPa s): 1 - 5

SECTION 10 STABILITY AND REACTIVITY

Stability: ☒ Stable ☐ Unstable

Conditions to Avoid: None

Materials to Avoid: Acids, bases, oxidizing materials and reducing agents

Hazardous Decomposition Products: CO, CO<sub>2</sub>, NO<sub>x</sub> and SO<sub>x</sub>

Hazardous Polymerization: ☐ May Occur ☒ Will Not Occur

Conditions to Avoid: None

SECTION 11 TOXICOLOGICAL INFORMATION

**Acute Toxicity:**

**Inhalation:**

Not available

**Ingestion:**

Not available

**Eye:**

Minimal irritant (rabbit)

OECD Guidelines No. 405 (2002), 2004/73/EC Method B5

**Skin:**

Non-irritant (rabbit)

OECD Guidelines No. 404 (2002), 2004/73/EC Method B4

**Sensitization:**

Non-sensitizer (mouse)

OECD Guidelines No. 429 (2002), 2004/73/EC Method B42

**Mutagenicity:**

Ames test: Negative (*S. typhimurium* & *E. Coli*)

**Reproductive Toxicity:**

Not available

**Carcinogenicity:**

Not available

**Others:**

Not available

SECTION 12 ECOLOGICAL INFORMATION

Mobility: Not available

Persistence / Degradability: Not available

Bioaccumulation: Not available

Ecotoxicity: Not available

Other Adverse Effects: Not available

SECTION 13 DISPOSAL CONSIDERATIONS

Method of Disposal:

Disposal should be subject to federal, state and local laws.

SECTION 14 TRANSPORT INFORMATION

UN #: None

UN Shipping Name: None

UN Classification: None

UN Packing Group: None

Marine Pollutant: ☐ Yes ☒ No Chemical name (wt%):

Special Precautions: None

SECTION 15 REGULATORY INFORMATION

< EU Information >

Information on the Label:

Symbol & Indication: Not required

R-Phrase: Not required

S-Phrase: Not required

Dangerous Component(s): Not required

Special Precautions under 1999/45/EC Annex V: Not required

Specific Provisions in Relation to Protection of Man or the Environment:

(EC) No 1907/2006 Annex XVII (Restrictions): Not regulated

(EC) No 1005/2009: Not regulated

(EC) No 689/2008: Not regulated

Others: None

< USA Information >

Information on the Label under FHSA:

Signal Word: Not required

Hazard warning:  
Not required

Safety Advice:  
Not required

Hazardous Component(s):  
Not required

SARA Title III §313:

| Chemical Name                 | Weight %           |
|-------------------------------|--------------------|
| "Copper Compounds"<br>(as Cu) | 1 - 5<br>( < 0.35) |

California Proposition 65:

| Chemical Name | Weight % |
|---------------|----------|
| None          |          |

< Canada Information >

WHMIS Controlled Product: Not applicable (Manufactured article)

< Australia Information >

Statement of Hazardous Nature: This product will not be shipped to Australia.

SECTION 16 OTHER INFORMATION

<R phrase list>

R36: Irritating to eyes.

R41: Risk of serious damage to eyes.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

<Term explanation>

Estimate: Estimate based on data of similar ink or the ingredient(s).

# MATERIAL SAFETY DATA SHEET

MSDS #: IC2108-0101

Product Code: 4550B

## Literature References:

- U.S. Department of Labor, 29CFR Part 1910
- U.S. Environmental Protection Agency, 40CFR Part 372
- U.S. Consumer Product Safety Commission, 16CFR Part 1500
- ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices
- U.S. Department of Health and Human Services National Toxicology Program, Annual Report on Carcinogens
- World Health Organization International Agency for Research on Cancer, IARC Monographs on the Evaluation on the Carcinogenic Risk of Chemicals to Humans
- DFG, List of MAK and BAT Values
- EU Directive (EC) No 1907/2006 Annex XVII (Restrictions), 1999/45/EC
- EU Regulation (EC) No 1005/2009, (EC) No 689/2008, (EC) No 1907/2006, (EC) No 1272/2008
- Canada Workplace Hazardous Materials Information System
- Australia National Occupational Health and Safety Commission's Approved Criteria for Classifying Hazardous Substances [NOHSC:1008]

## Abbreviations:

EU: European Union.  
 OSHA PEL: PEL(Permissible Exposure Limit) under Occupational Safety and Health Administration (USA).  
 ACGIH TLV: TLV(Threshold Limit Value) under American Conference of Governmental Industrial Hygienists.  
 EU OEL: Occupational exposure limits at Community level under Directive 2004/37/EC, 98/24/EC, 91/322/EEC, 2000/39/EC, 2006/15/EC and 2009/161/EU  
 DFG MAK: MAK(Maximale Arbeitsplatz-Konzentration) under Deutsche Forschungsgemeinschaft.  
 TWA: Time Weighted Average.  
 STEL: Short Term Exposure Limit.  
 IARC: International Agency for Research on Cancer.  
 NTP: National Toxicology Program (USA).  
 OSHA HCS: Occupational Safety and Health Act, Hazard Communication Standard (USA).  
 FHSA: Federal Hazardous Substances Act (USA).  
 WHMIS: Workplace Hazardous Materials Information System.  
 NOHSC: National Occupational Health and Safety Commission.  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative

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