

## 1. IDENTIFICATION OF THE SUBSTANCE PREPARATION AND COMPANY UNDERTAKING

### 1.1 PRODUCT IDENTIFIER

Product name: High Yield Cyan Wide Format Ink Cartridge for HP C4911A (HP 82)  
Part number: HPC4911AWF

### 1.2 IDENTIFIED USES AND USES ADVISED AGAINST

For use in: Inkjet Printers

### 1.3 SUPPLIER DETAILS

Supplier: Clover Imaging Group  
4200 Columbus Street  
Ottawa, IL 61350  
United States  
Phone number: 815-431-8100  
Fax: 815-461-8583  
Contact Hours: 08:00AM-05:00PM CST

### 1.4 EMERGENCY TELEPHONE NUMBERS

Supplier: 815-431-8100

\* This document provides safety-related information about ink/toner, in various forms, for use in copiers/printers etc.

## 2. HAZARDS IDENTIFICATION

### 2.1 INFORMATION and CLASSIFICATION

Overview: GHS-Labeling - Contains: 2-Pyrrolidinone (616-45-5), di(tetramethylammonium)(29H,31H-phthalocyanin-N29,N30,N31,N32)disulfonamide disulfonate, cuprate(2-)complex, derivates (proprietary), 1,2-Hexanediol (6920-22-5), 1-,2-Benzisothiazol-3(2H)-one (2634-33-5). Hazard Statements: Causes serious eye irritation. Harmful to aquatic life with long lasting effects. Precautionary Statements: Prevention: Wash skin thoroughly after handling. Avoid release to the environment. Wear protective gloves/eye protection/face protection. Response: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Disposal: Dispose of contents/container in accordance with local/regional/national/international regulation.

### 2.2 LABEL ELEMENTS

Applicable Pictograms:



Danger Indications: Eye irritation - Category 2A. Acute aquatic toxicity - Category 3. Chronic aquatic toxicity - Category 3.

Risk Phrases: N/A

Safety Phrases: N/A

### 2.3 OTHER HAZARDS

PBT or vPvB: Signal word: Warning.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS number	Weight %	OSHA PEL	ACGIH TLV	Other
2-Pyrrolidinone	616-45-5	5-10			
di-(tetramethylammonium) (29H,31H-phthlaocyanin-N 29,N30,N31.N32)disulfonamide disulfonate, cuprate(2-)complex, derivatives	Proprietary	1-5		1 mg/m3	
1,3-Propanediol, 2-ethyl-2(hydroxymethyl)-	77-99-6	3-5			
1,2-Hexanediol	6920-22-5	1-3			
1,2-Benzisothiazol-3(2H)-one	2634-33-5	0.01 - <0.05			

The Full Text for all R-Phrases are Displayed in Section 16

#### COMPOSITION COMMENTS

The Data Shown is in accordance with the latest Directives.

This section provides composition information for the specified substance/mixture.

### 4. FIRST-AID MEASURES

#### 4.1 FIRST AID MEASURES

##### 4.1.1 FIRST AID INSTRUCTIONS BY RELEVANT ROUTES OF EXPOSURE

Inhalation:	If symptomatic, move to fresh air. Get medical attention if symptoms persist.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids for at least 15 minutes. If easy to do, remove contact lens, if worn. If eye irritation persists: Get medical advice/attention.
Skin contact:	Wash off immediately with soap and plenty of water. Get medical attention if symptoms occur.
Ingestion:	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur.

##### 4.1.2 ADDITIONAL FIRST AID INFORMATION

Additional first aid information:	N/A
Immediate Medical Attention Required:	N/A

#### 4.2 SYMPTOMS AND EFFECTS

Acute Symptoms from Exposure:	Eye irritation: Signs/symptoms may include localized redness, swelling, lachrymation, itching, dryness, and pain.
Delayed Symptoms from Exposure:	Eye irritation: Signs/symptoms may include localized redness, swelling, lachrymation, itching, dryness, and pain.

#### 4.3 IMMEDIATE SPECIAL TREATMENT OR EQUIPMENT REQUIRED

N/A

## 5. FIRE-FIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA

Recommended Extinguishing Media: Water spray, Dry chemical, Carbon dioxide (CO), Foam.  
Extinguishing Media Not to be Used: N/A

### 5.2 SPECIAL HAZARD

Unusual Fire/Explosion Hazards: Hazardous Combustion Products: Carbon oxides.  
Extinguishing Media Not to be Used: N/A

### 5.3 ADVICE FOR FIRE FIGHTERS

Avoid inhalation of smoke. Wear protective clothing and wear self-contained breathing apparatus

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

#### 6.1.1 PRECAUTIONS FOR NON-EMERGENCY PERSONNEL

Avoid contact with eyes, skin and clothing. Avoid breathing mist or vapor. Use only with adequate ventilation. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

#### 6.1.2 ADDITIONAL FIRST AID INFORMATION

N/A

#### 6.1.3 PERSONAL PROTECTION

Wear personal protective equipment as described in Section 8.

### 6.2 ENVIRONMENTAL PRECAUTIONS

Regulatory Information: Keep product out of sewers and watercourses.

### 6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANUP

Spill or Leak Cleanup Procedures: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination.

## 7. HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING

Recommendations for Handling: No special precautions when used as intended. Keep containers closed. If toner, avoid creating dust. Keep away from ignition sources.

Advice on General Hygiene: Never eat, drink or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the restroom, or applying cosmetics.

### 7.2 CONDITIONS FOR SAFE STORAGE

Avoid high temperatures, >100°F/32°C

### 7.3 SPECIFIC END USES

Printing devices

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS

The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release in order to maintain airborne concentrations of the product below OSHA PELs (See Section 3). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

### 8.2 EXPOSURE CONTROLS

#### Respiratory protection:

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134 and 1910.137) and, if necessary, wear a NIOSH approved respirator. Select respirator based on its suitability to provide adequate worker protection for given work conditions, levels of airborne contamination, and sufficient levels of oxygen.

#### Eye/Face Protection:

Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

#### Hand/Skin Protection:

For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. WARNING! Air purifying respirators do not protect worker in oxygen deficient atmospheres.

#### Additional Protection:

N/A

#### Protective Clothing and Equipment:

Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear splash-proof chemical goggles and face shield when working with liquid, unless full face piece respiratory protection is worn.

#### Safety Stations:

Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

#### Contaminated Equipment:

Separate contaminated work clothes from street clothes. Launder before reuse. Remove material from your shoes and clean personal protective equipment. Never take home contaminated clothing.

#### Comments:

Never eat, drink or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the restroom, or applying cosmetics.

**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 DETAIL INFORMATION**

Physical state:	APPEARANCE: Cyan liquid.
Color:	Cyan
Odor:	No data available.
Odor threshold:	N/A
Boiling point:	N/A
Melting point:	N/A
Flash point:	>93.33°C (>200.0°F) (estimated)
Explosion limits:	N/A
Relative density:	N/A
Auto-ignition temperature:	N/A

**9.2 OTHER INFORMATION**

N/A

**10. CHEMICAL STABILITY AND REACTIVITY****10.1 Reactivity:****Reactivity Hazards:** None**Data on Mixture Substances:** None**10.2 Chemical Stability:** The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.**10.3 Hazardous Polymerization:** Stable under conditions of normal use.**10.4 Conditions to Avoid:** Keep away from heat, flame, sparks and other ignition sources.**10.5 Incompatible Materials:** Strong oxidizing materials**10.6 Hazardous Decomposition:** Will not occur.

### 11. INFORMATION ON TOXICOLOGICAL EFFECT

<b>Mixtures:</b>	N/A
<b>Acute Toxicity:</b>	2-Pyrrolidinone (616-45-5): Oral LD50 (Rat): >3,200 mg/kg. Oral LD50 (Mouse): >3,200 mg/kg. Inhalation LC50 (Rat): >80 ppm/ 8hrs (no deaths occurred). Dermal LD50 (Guinea pig): 1-5 mL/kg. Dermal LD50 (Rabbit): > 2,000 mg/kg (no deaths occurred). di-(tetramethylammonium)(29H,31H-phthlaocyanin-N29,N30,N31,N32)disulfonamide disulfonate, cuprate(2-)complex, derivatives: Oral LD50: >300 -<2,000 mg/kg (estimated). 1,3-Propanediol, 2-ethyl-2(hydroxymethyl)- (77-99-6): Oral LD (Rat): 14,100 mg/kg. Inhalation LC50 (Rat): >0.29 mg/l /4hr. Dermal LD50 (Guinea pig): >2,710 mg/kg. 1,2-Hexanediol (6920-22-5): Oral LD50 (male and female Rat): 6,682 mg/kg. Urea (57-13-6): Oral LD50 (Rat): 8,471 mg/kg. 1,2-Benzisothiazol-3(2H)- one (2634-33-5): Oral LD50 (Rat): 1,020 mg/kg.
<b>Skin Corrosion/Irritation:</b>	Expected to be a low hazard for recommended handling.
<b>Serious Eye Damage:</b>	Causes eye irritation.
<b>Inhalation:</b>	Expected to be a low hazard for recommended handling.
<b>Sensitization:</b>	N/A
<b>Mutagenicity:</b>	N/A
<b>Carcinogenicity:</b>	ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by ACGIH. IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by IARC. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by OSHA.
<b>Reproductive Toxicity:</b>	1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)- Oral (male and female Rat): NOEL for reproductive toxicity; 800 mg/kg/day.
<b>STOT - Single Exposure:</b>	N/A
<b>STOT - Multiple Exposure:</b>	N/A
<b>Ingestion:</b>	Expected to be a low ingestion hazard.
<b>Hazard Class Information:</b>	N/A
<b>Mixture on Market Data:</b>	N/A
<b>Symptoms:</b>	N/A
<b>Delayed/Immediate Effects:</b>	N/A
<b>Test Data on Mixture:</b>	N/A
<b>Not Meeting Classification:</b>	N/A
<b>Routes of Exposure:</b>	N/A
<b>Interactive Effects:</b>	N/A
<b>Absence of Specific Data:</b>	N/A
<b>Mixture vs Substance Data:</b>	N/A

### 12. ECOLOGICAL INFORMATION

12.1 <b>Eco toxicity:</b>	Potential Toxicity: Toxicity to fish (LC50): 10-100 mg/l estimated. Toxicity to daphnia (EC50): 10 -100 mg/l estimated.
12.2 <b>Degradability:</b>	This product has not been tested for environmental effects.
12.3 <b>Bioaccumulation Potential:</b>	No data available.
12.4 <b>Mobility in Soil:</b>	No information available.
12.5 <b>PBT &amp; vPvB Assessment:</b>	N/A
12.6 <b>Other Adverse Effects:</b>	N/A

**13. DISPOSAL CONSIDERATIONS****Disposal Information:**

Dispose of product in accordance with local authority regulations.  
Empty container retains product residue.

**Physical/Chemical Properties that affect Treatment:**

Symbol: This product is not classified as dangerous

Risk Phrases: This product is not classified according to the federal, state and local environmental regulations.

**Waste Treatment Information:**

If toner, do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, state, and local regulations.

**Personal Protection Required:**

N/A

**14. TRANSPORT INFORMATION**

14.1 **ID Number:** Not regulated for all modes of transportation.

14.2 **Shipping Name:** N/A

14.3 **Hazard Class:** N/A

14.4 **Packing Group:** N/A

14.5 **Environmental Hazards:** N/A

14.6 **User Precautions:** N/A

14.7 **Bulk Transport:** N/A

**15. REGULATORY INFORMATION**

15.1 **Regulatory Information:** N/A

**EPA Regulatory Information:** N/A

**CERCLA Reportable Quantity:** N/A

15.2 **Superfund Information:**

**Hazard Categories:**

**Immediate:** N/A

**Delayed:** N/A

**Fire:** NFPA Rating: Health = 2 Fire = 1 Reactivity = 0

**Pressure:** N/A

**Reactivity:** N/A

**Section 302 - Extremely Hazardous:** No components of this product are subject to the SARA Section 302 (40 CFR 302.4) reporting requirements.

**Section 311 - Hazardous:** N/A

15.3 **State Regulations:** California Prop. 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

15.4 **Other Regulatory Information:** N/A

### 16. OTHER INFORMATION

**General Comments:**

This information is based on our current knowledge. It should not therefore be construed as guaranteeing specific properties of the products as described or their suitability for a particular application

**Creation Date of this SDS:**

12/04/2020



**Key to Abbreviations and Acronyms used in this sheet:**

ACGIH = American Conference of Governmental Industrial Hygienists	NIOSH = National Institute for Occupational Safety and Health
CERCLA = Comprehensive Environmental Response Compensation and Liability Act	OSHA = Occupational Health and Safety Administration
CLP = Classification, Labeling, and Packaging	PEL = Permissible Exposure Limit
DSD = Dangerous Substances Directive	SCBA = Self Contained Breathing Apparatus
EPA = Environmental Protection Agency	STOT = Specific Target Organ Toxicity
GHS = Globally Harmonized System	TLV = Threshold Limit Value
N/A = Not Applicable	UK = United Kingdom
NFPA = National Fire Protection Association	UN = United Nations

**Ref:**

DISCLAIMER

All trademarks and models referenced are property of their respective holders and are used for identification purposes only. These products are not sponsored by, affiliated with, manufactured by or distributed by the named manufacturers. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.