

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

### 1.1 PRODUCT IDENTIFIER

Product name: Postage Meter Super Fast Dry Black Ink Cartridge for Collins TWK-1961H  
Part number: COLTWK1961H

### 1.2 IDENTIFIED USES AND USES ADVISED AGAINST

For use in: Postage Meters

### 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: N/A

### 2.2 LABEL ELEMENTS

Applicable Pictograms:



Danger Indications: Classification: This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) Hazards Not Otherwise Classified (HNOC): Causes mild skin irritation.  
Other Hazards: Harmful to aquatic life with long lasting effects.

Risk Phrases: N/A

Safety Phrases: N/A

### 2.3 OTHER HAZARDS

PBT or vPvB: N/A

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS number	Weight %	OSHA PEL	ACGIH TLV	Other
Water	7732-18-5	70-80			
Propylene glycol monomethyl ether	107-98-2	5-11	(vacated) TWA: 100 ppm; (vacated) TWA: 360 mg/m3; (vacated) STEL: 150 ppm; (vacated) STEL: 540 mg/m3	STEL: 100 ppm; TWA: 50 ppm	
2-Butoxyethanol	111-76-2	<7	TWA: 50 ppm; TWA 240 mg/m3; (vacated) TWA: 25 ppm; (vacated) TWA 120 mg/m3	TWA: 20 ppm	
Colorant	Proprietary	<6			
Ethyl Alcohol	64-17-5	<5	TWA: 1000 ppm; TWA: 1900 mg/m3; (vacated) TWA: 1000 ppm; (vacated) TWA: 1900 mg/m3	STEL: 1000 ppm	
Methanol	67-56-1	<.2	TWA: 200 ppm; TWA: 260 mg/m3; (vacated) TWA: 200 ppm; (vacated) TWA: 260 mg/m3; (vacated) STEL: 250 ppm; (vacated) STEL: 325 mg/m3	STEL: 250 ppm; TWA: 200 ppm	

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:	Remove to fresh air.
Eye contact:	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact:	Wash off immediately with plenty of water for at least 15 minutes.
Ingestion:	Clean mouth with water and drink plenty of water afterwards.

#### 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:	For Propylene Glycol Monomethyl Ether and 2-Butoxyethanol: Causes mild skin irritation. Can cause eye irritation, redness and swelling. Excessive inhalation of vapors can cause nasal and respiratory irritation; central nervous system effects include dizziness, weakness, fatigue, nausea, headache and possible unconsciousness. Swallowing small amounts is not likely to cause harmful effects; swallowing large amounts may be harmful.
Delayed Symptoms from Exposure:	For Propylene Glycol Monomethyl Ether and 2-Butoxyethanol: Causes mild skin irritation. Can cause eye irritation, redness and swelling. Excessive inhalation of vapors can cause nasal and respiratory irritation; central nervous system effects include dizziness, weakness, fatigue, nausea, headache and possible unconsciousness. Swallowing small amounts is not likely to cause harmful effects; swallowing large amounts may be harmful.

### 4.3 IMMEDIATE SPECIAL TREATMENT OR EQUIPMENT REQUIRED

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA

Recommended Extinguishing Media:	Carbon dioxide (CO <sub>2</sub> ). Water spray (fog). Foam. Dry chemical.
Extinguishing Media Not to be Used:	Not determined.

### 5.2 SPECIAL HAZARD

Unusual Fire/Explosion Hazards:	As the product is water-based, combustion could take place only under extreme conditions.
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

Use personal protective equipment as required.

##### 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: Prevent further leakage or spillage if safe to do so. Collect into inert absorbent. Place in suitable container. Rinse residual with water.

### 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: Black liquid.  
Color: Black  
Odor: Slight alcoholic.  
Odor threshold: Not determined.

Boiling point: >100°C / >212°F  
Melting point: Not measured  
Flash point: Not measured  
Explosion limits: Not determined  
Relative density: 1 g/ml  
Auto-ignition temperature: Not measured

### 9.2 **OTHER INFORMATION**

Specific Gravity: 1

## 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>	Propylene glycol monomethyl ether (107-98-2): Oral LD50 = 5000 mg/kg (Rat); Dermal LD50 = 13 g/kg (Rabbit); Inhalation LC50 > 7559 ppm (Rat) 6h. 2-Butoxyethanol (111-76-2): Oral LD50 = 470 mg/kg (Rat); Dermal LD50 = 99 mg/kg (Rat); Inhalation LC50 = 450 ppm (Rat) 4h. Ethyl Alcohol (64-17-5): Oral LD50 = 7060 mg/kg (Rat); Inhalation LC50 = 124.7 mg/L (Rat) 4h. Methanol (67-56-1): Oral LD50 = 6200mg/kg (Rat); Dermal LD50 = 15800 mg/kg (Rabbit); Inhalation LC50 = 64000 ppm (Rat) 4h = 22500 ppm (Rat) 8h.
<b>Skin Corrosion/Irritation:</b>	Causes mild skin irritaiton.
<b>Serious Eye Damage:</b>	Avoid contact with eyes.
<b>Inhalation:</b>	Do not inhale
<b>Sensitization:</b>	N/A
<b>Mutagenicity:</b>	N/A
<b>Carcinogenicity:</b>	Ethanol has been shown to be carcinogenic in long-term studies only when consumed as an alcoholic beverage. Group 3 IARC components are "not classifiable as human carcinogens."
<b>Reproductive Toxicity:</b>	N/A
<b>STOT - Single Exposure:</b>	N/A
<b>STOT - Multiple Exposure:</b>	N/A
<b>Ingestion:</b>	Do not ingest.
<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>	N/A
12.2 <b>Degradability:</b>	N/A
12.3 <b>Bioaccumulation Potential:</b>	N/A
12.4 <b>Mobility in Soil:</b>	N/A
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:** N/A

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:** N/A

**Pressure:** N/A

**Reactivity:** N/A

**Section 302 - Extremely Hazardous:** N/A

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

15.3 **State Regulations:** N/A

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:** 07/15/2022

**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:**

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