



## CUDNER & O'CONNOR CO.

### Safety Data Sheet PC-39721A SILVER K20 1#

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#### SECTION 1: Identification

##### 1.1 Product identifier

Product name	PC-39721A SILVER K20 1#
Product number	PC-39721A
Brand	CANDOC

##### 1.2 Other means of identification

Metallic Silver Printing Ink

##### 1.3 Recommended use of the chemical and restrictions on use

Uses : Printing Ink

##### 1.4 Supplier's details

Name	Cudner & O'Connor Co.
Address	4035 West Kinzie St Chicago, IL 60624 USA
Telephone	773-826-0200
Fax	773-826-0477
email	CANDOC1@AOL.COM

##### 1.5 Emergency phone number(s)

800-535-5053

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#### SECTION 2: Hazard identification

##### 2.1 Classification of the substance or mixture

- Flammable liquids (chapter 2.6), Cat. 3
- Acute toxicity, dermal (chapter 3.1), Cat. 5
- Acute toxicity, inhalation (chapter 3.1), Cat. 5
- Acute toxicity, oral (chapter 3.1), Cat. 5
- Eye damage/irritation (chapter 3.3), Cat. 2A

##### 2.2 GHS label elements, including precautionary statements

Pictogram

**Safety Data Sheet**  
**PC-39721A SILVER K20 1#**



**Signal word**

**Danger**

**Hazard statement(s)**

H226	Flammable liquid and vapor
H303	May be harmful if swallowed
H313	May be harmful in contact with skin
H319	Causes serious eye irritation
H333	May be harmful if inhaled

**Precautionary statement(s)**

P210	Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting and equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P264	Wash thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P312	IF INHALED: Call a POISON CENTER or doctor if you feel unwell.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or doctor if you feel unwell.
P337+P313	If eye irritation persists: Get medical advice/attention.
P370+P378	In case of fire: Use foam,alcohol foam,CO2, dry chemical,water fog to extinguish.
P403+P235	Store in a well ventilated place. Keep cool.
P501	Dispose of in accordance with local, county, state, provincial and federal regulations.

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**Hazardous components**

<b>Component</b>	<b>Concentration</b>
<b>2-butoxyethyl acetate (CAS no.: 112-07-2; EC no.: 203-933-3; Index no.: 607-038-00-2)</b>	<b>20 - 25 %</b>
CLASSIFICATIONS: Acute toxicity (chapter 3.1), Cat. 4. HAZARDS: H312 - Harmful in contact with skin; H332 - Harmful if inhaled.	
<b>CYCLOHEXANONE (CAS no.: 108-94-1; EC no.: 203-631-1; Index no.: 606-010-00-7)</b>	<b>15 - 20 %</b>
CLASSIFICATIONS: Flammable liquids (chapter 2.6), Cat. 3; Acute toxicity (chapter 3.1), Cat. 4. HAZARDS: H226 - Flammable liquid and vapor; H332 - Harmful if inhaled.	
<b>Solvent naphtha (petroleum), light arom (CAS no.: 64742-95-6)</b>	<b>10 - 15 %</b>
CLASSIFICATIONS: Flammable liquids (chapter 2.6), Cat. 4. HAZARDS: No data available.	
<b>Component 4 (trade secret)</b>	<b>10 - 15 %</b>
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
<b>Acetic acid ethenyl ester, polymer with chloroethene (CAS no.: 9003-22-9)</b>	<b>10 - 15 %</b>
CLASSIFICATIONS: No data available. HAZARDS: H412 - Harmful to aquatic life with long lasting effects.	
<b>Aluminum (Fume, Dust, or Powder) (CAS no.: 7429-90-5; EC no.: 231-072-3; Index no.: 013-002-00-1)</b>	<b>8.8 %</b>
CLASSIFICATIONS: Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12), Cat. 2; Flam.Sol. 3. HAZARDS: H228 - Flammable solid; H261 - In contact with water releases flammable gas.	
<b>1,2,4-Trimethylbenzene (CAS no.: 95-63-6; EC no.: 202-436-9; Index no.: 601-043-00-3)</b>	<b>5.3 %</b>

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CLASSIFICATIONS: Flammable liquids (chapter 2.6), Cat. 3; Acute toxicity (chapter 3.1), Cat. 4; Eye damage/irritation (chapter 3.3), Cat. 2; Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3; Skin corrosion/irritation (chapter 3.2), Cat. 2; Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 2. HAZARDS: H226 - Flammable liquid and vapor; H315 - Causes skin irritation; H319 - Causes serious eye irritation; H332 - Harmful if inhaled; H335 - May cause respiratory irritation; H411 - Toxic to aquatic life with long lasting effects.

**ISOPROPANOL (CAS no.: 67-63-0; EC no.: 200-661-7; Index no.: 603-117-00-0)** < 0 - 5 %

CLASSIFICATIONS: Flammable liquids (chapter 2.6), Cat. 2; Eye damage/irritation (chapter 3.3), Cat. 2; Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3. HAZARDS: H225 - Highly flammable liquid and vapor; H319 - Causes serious eye irritation; H336 - May cause drowsiness or dizziness.

**1,4-Benzenedicarboxylic acid, 1,4-bis(2-ethylhexyl) ester (CAS no.: 6422-86-2)** < 0 - 5 %

CLASSIFICATIONS: No data available. HAZARDS: No data available.

**XYLENES (MIXED) (CAS no.: 1330-20-7; EC no.: 215-535-7; Index no.: 601-022-00-9)** < 0 - 1 %

CLASSIFICATIONS: Flammable liquids (chapter 2.6), Cat. 3; Acute toxicity (chapter 3.1), Cat. 4; Skin corrosion/irritation (chapter 3.2), Cat. 2. HAZARDS: H226 - Flammable liquid and vapor; H312 - Harmful in contact with skin; H315 - Causes skin irritation; H332 - Harmful if inhaled.

**VINYL ACETATE (CAS no.: 108-05-4; EC no.: 203-545-4; Index no.: 607-023-00-0)** 0.02 %

CLASSIFICATIONS: Flammable liquids (chapter 2.6), Cat. 2. HAZARDS: H225 - Highly flammable liquid and vapor.

## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact	Wash off with soap and plenty of water.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Personal protective equipment for first-aid responders	Wear self-contained breathing apparatus for firefighting if necessary.

### 4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in section 3.

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

No data available.

## SECTION 5: Fire-fighting measures

### 5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### 5.2 Specific hazards arising from the chemical

Carbon oxides

### 5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

### Further information

Use water spray to cool unopened containers.

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

### **6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

### **6.3 Methods and materials for containment and cleaning up**

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

#### **Reference to other sections**

For disposal see section 13.

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## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2.2.

### **7.2 Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

#### **Specific end use(s)**

Apart from the uses mentioned in section 1.3 no other specific uses are stipulated.

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## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

#### **CAS: 108-94-1**

Cyclohexanone

Cal/OSHA: 25 ppm PEL inhalation; NIOSH: 25 ppm REL inhalation; OSHA: 50 ppm PEL inhalation; 200 mg/m<sup>3</sup> PEL inhalation

#### **CAS: 112-07-2 (EC: 203-933-3)**

2-butoxyethyl acetate

ACGIH: 20ppm TWA inhalation

#### **CAS: 1330-20-7**

Xylenes (o-, m-, p-isomers)

Cal/OSHA: 100 ppm, (ST) 150 ppm, (C) 300 ppm PEL inhalation; NIOSH: 100 ppm, (ST) 150 ppm REL inhalation; OSHA: 100 ppm PEL inhalation; 435 mg/m<sup>3</sup> PEL inhalation

#### **CAS: 67-63-0**

Isopropyl alcohol

Cal/OSHA: 400 ppm, (ST) 500 ppm PEL inhalation; NIOSH: 400 ppm, (ST) 500 ppm REL inhalation; OSHA: 400 ppm PEL inhalation; 980 mg/m<sup>3</sup> PEL inhalation

#### **CAS: 7429-90-5 (EC: 231-072-3)**

Aluminum (Fume, Dust, or Powder)

ACGIH: 1.00000MG/M<sup>3</sup> TWA inhalation

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CAS: 95-63-6 (EC: 202-436-9)

1,2,4-Trimethylbenzene

NIOSH: 25 ppm 125mg/m3 TWA inhalation

### 8.2 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Eye/face protection

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### Body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Thermal hazards

Thermal breakdown during fire or very high heat conditions may release Carbon Oxides, formaldehyde, silicon dioxide and incompletey burnt hydrocarbons.

#### Environmental exposure controls

Do not let product enter drains.

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## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance/form	Viscous Liquid
Odor	Characteristist Solvent Odor
Odor threshold	No Data
pH	No Data
Melting point/freezing point	No Data
Initial boiling point and boiling range	No Data
Flash point	120 F
Evaporation rate	Slower than Ether
Flammability (solid, gas)	
Upper/lower flammability limits	12.7
Upper/lower explosive limits	.88
Vapor pressure	No Data
Vapor density	Heavier than Air
Relative density	7.95 lbs
Solubility(ies)	Not Soluable

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Partition coefficient: n-octanol/water	No Data
Auto-ignition temperature	No Data
Decomposition temperature	No Data
Viscosity	No Data
Explosive properties	No Data
Oxidizing properties	No Data

### Other safety information

VOC WEIGHT 63.38%  
VOC VOLUME 72.67 %  
VOC 5.52 LBS/GAL

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This product has not been tested as a mixture, see Section 3: Hazards Identification

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

None anticipated during normal use and storage.

### 10.4 Conditions to avoid

Heat, flames and sparks.

### 10.5 Incompatible materials

Bases, amines, alkali metals, metals, permanganates, e.g. potassium permanganate, fluorine, metal acetylides, hexalithium disilicide

### 10.6 Hazardous decomposition products

This product has not been tested as a mixture, see Section 3: Hazards Identification

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

This product has not been tested as a mixture, see Section 3: Hazards Identification

#### Skin corrosion/irritation

This product has not been tested as a mixture, see Section 3: Hazards Identification

#### Serious eye damage/irritation

This product has not been tested as a mixture, see Section 3: Hazards Identification

#### Respiratory or skin sensitization

This product has not been tested as a mixture, see Section 3: Hazards Identification

#### Germ cell mutagenicity

This product has not been tested as a mixture, see Section 3: Hazards Identification

#### Carcinogenicity

This product has not been tested as a mixture, see Section 3: Hazards Identification

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### **Reproductive toxicity**

This product has not been tested as a mixture, see Section 3: Hazards Identification

### **Summary of evaluation of the CMR properties**

This product has not been tested as a mixture, see Section 3: Hazards Identification

### **STOT-single exposure**

This product has not been tested as a mixture, see Section 3: Hazards Identification

### **STOT-repeated exposure**

This product has not been tested as a mixture, see Section 3: Hazards Identification

### **Aspiration hazard**

This product has not been tested as a mixture, see Section 3: Hazards Identification

### **Additional information**

This product has not been tested as a mixture, see Section 3: Hazards Identification

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## **SECTION 12: Ecological information**

### **Toxicity**

This product has not been tested as a mixture, see Section 3: Hazards Identification

### **Persistence and degradability**

This product has not been tested as a mixture, see Section 3: Hazards Identification

### **Bioaccumulative potential**

This product has not been tested as a mixture, see Section 3: Hazards Identification

### **Mobility in soil**

This product has not been tested as a mixture, see Section 3: Hazards Identification

### **Results of PBT and vPvB assessment**

This product has not been tested as a mixture, see Section 3: Hazards Identification

### **Other adverse effects**

This product has not been tested as a mixture, see Section 3: Hazards Identification

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## **SECTION 13: Disposal considerations**

### **Disposal of the product**

Dispose of in accordance with local, county, state, provincial and federal regulations. Emptied containers may retain hazardous properties. Empty containers should be disposed of in an environmentally safe manner in accordance with applicable local regulations.

### **Disposal of contaminated packaging**

Dispose of as unused product properly.

### **Waste treatment**

Not Applicable

### **Sewage disposal**

Not Applicable

### **Other disposal recommendations**

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Dispose of in accordance with local, county, state, provincial and federal regulations. Emptied containers may retain hazardous properties. Empty containers should be disposed of in an environmentally safe manner in accordance with applicable local regulations.

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### SECTION 14: Transport information

#### DOT (US)

UN Number: 1210  
Class: 3  
Packing Group: III  
Proper Shipping Name: Printing Ink  
Reportable quantity (RQ):  
Marine pollutant:  
Poison inhalation hazard:

#### IMDG

UN Number: 1210  
Class: 3  
Packing Group: III  
EMS Number:  
Proper Shipping Name: Printing Ink

#### IATA

UN Number: 1210  
Class: 3  
Packing Group: III  
Proper Shipping Name: Printing Ink

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### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations specific for the product in question

##### California Prop. 65 components

Chemical name: XYLENES (MIXED)  
CAS number: 1330-20-7  
06/11/2004 - Cancer

##### Massachusetts Right To Know Components

Cyclohexanone, Xylene, Ethylbenzene, 1,2,4-Trimethylbenzene, Acetic acid ethenyl ester, polymer with chloroethene, VINYL ACETATE, Aluminum, Stoddard Solvent  
. Chemical name: 1,2,4-Trimethylbenzene  
CAS number: 95-63-6. Chemical name: Isopropyl alcohol (mfg-strong acid process)  
CAS number: 67-63-0

##### New Jersey Right To Know Components

2-butoxyethyl acetate, Xylene, Ethylbenzene, Cyclohexanone, 1,2,4-Trimethylbenzene, Acetic acid ethenyl ester, polymer with chloroethene, VINYL ACETATE, Aluminum, Stoddard Solvent  
. Common name: Isopropyl Alcohol  
CAS number: 67-63-0

##### Pennsylvania Right To Know Components

2-butoxyethyl acetate, Xylene, Ethylbenzene, Cyclohexanone, 1,2,4-Trimethylbenzene, Acetic acid ethenyl ester, polymer with chloroethene, VINYL ACETATE, Aluminum, Stoddard Solvent  
. Common name: Isopropyl Alcohol  
number: 67-63-0

CAS

##### SARA 311/312 Hazards



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Cyclohexanone,2-butoxyethyl acetate,1,2,4-Trimethylbenzene , Cumene, Xylenes, Ethylbenzene,VINYL ACETATE,Aluminum  
. Common name : Isopropyl Alcohol  
number : 67-63-0

CAS

### SARA 313 Components

2-butoxyethyl acetate,1,2,4-Trimethylbenzene , Cumene, Xylenes, Ethylbenzene,Aluminum . Common Name : Isopropyl Alcohol  
CAS number: 67-63-0

### HMIS Rating

PC-39721A SILVER K20 1#	
HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

### NFPA Rating



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## SECTION 16: Other information

### 16.2 Preparation information

The information and recommendations contained in this Safety Data Sheet have been compiled from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the SDS was prepared. No warranty, guarantee or representation is made. The user of this product must decide what safety measures are necessary to safely use this product either alone or in combination with other products and determine its environmental regulatory compliance obligations under any federal, state or local laws.