



**CUDNER & O'CONNOR CO.**

## **Safety Data Sheet SPO-7000 UV OVERPRINT CLEAR**

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### **SECTION 1: Identification**

#### **1.1 Product identifier**

Product name	SPO-7000 UV OVERPRINT CLEAR
Product number	SPO-7000
Brand	CANDOC

#### **1.2 Other means of identification**

Clear 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**

- Acute toxicity, oral (chapter 3.1), Cat. 4
- Acute toxicity, inhalation (chapter 3.1), Cat. 4
- Acute toxicity, dermal (chapter 3.1), Cat. 3
- Eye damage/irritation (chapter 3.3), Cat. 1
- Carcinogenicity (chapter 3.6), Cat. 2
- Specific target organ toxicity, single exposure (chapter 3.8), Cat. 2

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

**Pictogram**

**Safety Data Sheet**  
**SPO-7000 UV OVERPRINT CLEAR**



**Signal word**

**Danger**

**Hazard statement(s)**

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
H302	Harmful if swallowed
H332	Harmful if inhaled
H311	Toxic in contact with skin
H318	Causes serious eye damage
H351	Suspected of causing cancer
H371	May cause damage to organs

**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.

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

**3.2 Mixtures**

**Hazardous components**

**1. Component 1 (trade secret)**

Concentration 15 - 20 %

- Sensitization, skin (chapter 3.4), Cat. 1B

**2. 1-vinyl-2-pyrrolidone**

Concentration 15 - 20 %

# Safety Data Sheet

## SPO-7000 UV OVERPRINT CLEAR

EC no. 201-800-4  
CAS no. 88-12-0  
Index no. 613-168-00-0

- Carcinogenicity (chapter 3.6), Cat. 2
- Acute toxicity (chapter 3.1), Cat. 4
- Specific target organ toxicity, repeated exposure (chapter 3.9), Cat. 2
- Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3
- Eye damage/irritation (chapter 3.3), Cat. 1

H302 Harmful if swallowed  
H312 Harmful in contact with skin  
H318 Causes serious eye damage  
H332 Harmful if inhaled  
H335 May cause respiratory irritation  
H351 Suspected of causing cancer  
H373 May cause damage to organs through prolonged or repeated exposure

### 3. 2-Propenoic acid, isodecyl ester

Concentration 15 - 20 %  
CAS no. 1330-61-6

- Skin corrosion/irritation (chapter 3.2), Cat. 2
- Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 1
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 1

H315 Causes skin irritation  
H410 Very toxic to aquatic life with long lasting effects

### 4. 2-Propenoic acid, (1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl ester, rel-

Concentration 10 - 15 %  
CAS no. 5888-33-5

### 5. Methanone, (1-hydroxycyclohexyl)phenyl-

Concentration 5 - 10 %  
CAS no. 947-19-3

### 6. 1,6-HEXANEDIOL DIACRYLATE

Concentration < 0 - 5 %  
EC no. 235-921-9  
CAS no. 13048-33-4  
Index no. 607-109-00-8

- Eye damage/irritation (chapter 3.3), Cat. 2
- Skin corrosion/irritation (chapter 3.2), Cat. 2
- Sensitization, skin (chapter 3.4), Cat. 1

H315 Causes skin irritation  
H317 May cause an allergic skin reaction  
H319 Causes serious eye irritation

# Safety Data Sheet

## SPO-7000 UV OVERPRINT CLEAR

### 7. 2,2-bis(acryloyloxymethyl)butyl acrylate

Concentration < 0 - 5 %  
EC no. 239-701-3  
CAS no. 15625-89-5  
Index no. 607-111-00-9

- Eye damage/irritation (chapter 3.3), Cat. 2
- Skin corrosion/irritation (chapter 3.2), Cat. 2
- Sensitization, skin (chapter 3.4), Cat. 1

H315 Causes skin irritation  
H317 May cause an allergic skin reaction  
H319 Causes serious eye irritation

### 8. Siloxanes and Silicones, di-Me, 3-hydroxypropyl Me, ethers with polyethylene glycol acetate

Concentration < 0 - 5 %  
CAS no. 70914-12-4

### 9. POLYDIMETHYLSILOXANES

Concentration < 0 - 5 %  
CAS no. 63148-62-9

### 10. HYDROQUINONE MONOMETHYL ETHER

Concentration < 0 - 5 %  
EC no. 205-769-8  
CAS no. 150-76-5  
Index no. 604-044-00-7

- Acute toxicity (chapter 3.1), Cat. 4
- Eye damage/irritation (chapter 3.3), Cat. 2
- Sensitization, skin (chapter 3.4), Cat. 1

H302 Harmful if swallowed  
H317 May cause an allergic skin reaction  
H319 Causes serious eye irritation

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## 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.

# Safety Data Sheet

## SPO-7000 UV OVERPRINT CLEAR

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.

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## 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.

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## 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.

# Safety Data Sheet

## SPO-7000 UV OVERPRINT CLEAR

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

**1. 1-vinyl-2-pyrrolidone (CAS: 88-12-0 EC: 201-800-4)**  
TWA (Inhalation): 0.05ppm; USA (ACGIH)

#### 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 incompletely 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 (physical state, color, etc.)	Viscous Liquid
Odor	Characteristist Acrylate
Odor threshold	No Data
pH	No Data
Melting point/freezing point	No Data
Initial boiling point and boiling range	No Data
Flash point	186 C
Evaporation rate	Slower than Ether
Flammability (solid, gas)	
Upper/lower flammability limits	No Data
Upper/lower explosive limits	No Data
Vapor pressure	No Data

# Safety Data Sheet

## SPO-7000 UV OVERPRINT CLEAR

Vapor density	Heavier than Air
Relative density	8.65 lbs
Solubility(ies)	Not Soluable
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 0%  
VOC VOLUME 0%  
VOC 0 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

# Safety Data Sheet

## SPO-7000 UV OVERPRINT CLEAR

### **Carcinogenicity**

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

### **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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POLYETHYLENE AS: \*TOXICITY:  
typ. dose mode specie amount units other  
Not available

\*AQTX/TLM96: Not available

\*SAX TOXICITY EVALUATION:

THR = An equivocal tumorigenic agent and carcinogen. A food additive resulting from food packaging. Reacts violently with F2.

\*CARCINOGENICITY:

Tumorigenic Data:

TDLo: imp-rat 33 mg/kg

TDLo: imp-rat 331 mg/kg

TD : imp-rat 2120 mg/kg

TD : imp-rat 1476 mg/kg

TD : imp-rat 1000 mg/kg

Review: IARC Cancer Review: Animal Inadequate Evidence

IARC: Not classifiable as a human carcinogen (Group 3) [610]

\*MUTATION DATA:

test lowest dose

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Not available

\*TERATOGENICITY (Reproductive Effects Data): Not available

\*STANDARDS, REGULATIONS & RECOMMENDATIONS:

OSHA: None

ACGIH: None

NIOSH Criteria Document: None

NFPA Hazard Rating: Health (H): None

Flammability (F): None

Reactivity (R): None

# Safety Data Sheet

## SPO-7000 UV OVERPRINT CLEAR

### \*OTHER TOXICITY DATA:

Review: Toxicology Review

Status: Reported in EPA TSCA Inventory, 1983

Meets criteria for proposed OSHA Medical Records Rule

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1,6-HEXANEDIOL DIACRYLATE: \*TOXICITY:

Not available

\*AQTX/TLM96: Not available

\*SAX TOXICITY EVALUATION: Not available

\*CARCINOGENICITY: Not available

\*MUTAGENICITY: Not available

\*TERATOGENICITY: Not available

### \*STANDARDS, REGULATIONS & RECOMMENDATIONS:

OSHA: None

ACGIH: None

NIOSH Criteria Document: None

NFPA Hazard Rating: Health (H): None

Flammability (F): None

Reactivity (R): None

\*OTHER TOXICITY DATA: Not available

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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

# Safety Data Sheet

## SPO-7000 UV OVERPRINT CLEAR

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

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)

Not dangerous goods

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

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## SECTION 15: Regulatory information

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

#### New Jersey Right To Know Components

Common name: N-VINYL-2-PYRROLIDONE

CAS number: 88-12-0. 2-Propenoic acid, 2-phenoxyethyl ester. 2-Propenoic acid, 2-(2-ethoxyethoxy)ethyl ester. Ethanone, 2,2-dimethoxy-1,2-diphenyl-. 1,6-HEXANEDIOL DIACRYLATE. 2-Propenoic acid, isodecyl ester.

Common name: 4-METHOXYPHENOL

CAS number: 150-76-5

#### Pennsylvania Right To Know Components

Common name: N-VINYL-2-PYRROLIDONE

CAS number: 88-12-0. 2-Propenoic acid, 2-phenoxyethyl ester. 2-Propenoic acid, 2-(2-ethoxyethoxy)ethyl ester. Ethanone, 2,2-dimethoxy-1,2-diphenyl-. 1,6-HEXANEDIOL DIACRYLATE. 2-Propenoic acid, isodecyl ester

#### SARA 311/312 Hazards

Common name: N-VINYL-2-PYRROLIDONE

CAS number: 88-12-0. 2-Propenoic acid, 2-(2-ethoxyethoxy)ethyl ester. Ethanone, 2,2-dimethoxy-1,2-diphenyl-. 2-Propenoic acid, isodecyl ester

#### HMIS Rating

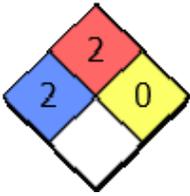
SPO-7000 UV OVERPRINT CLEAR	
HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	0

**Safety Data Sheet**  
**SPO-7000 UV OVERPRINT CLEAR**

PERSONAL PROTECTION

B

**NFPA Rating**



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**SECTION 16: Other information**

Carcinogenicity

Carcinogenicity - rat - Inhalation

Tumorigenic: Carcinogenic by RTECS criteria. Sense Organs and Special Senses (Nose, Eye, Ear, and Taste): Olfaction: Tumors. Liver: Tumors.

This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH,

NTP, or EPA classification.

Limited evidence of carcinogenicity in animal studies

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (1-Vinyl-2-pyrrolidone)

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 carcinogen or potential carcinogen by OSHA.

**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.