



## CUDNER & O'CONNOR CO.

### Safety Data Sheet ET-6008 ULTRA BLUE

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#### SECTION 1: Identification

##### 1.1 Product identifier

Product name	ET-6008 ULTRA BLUE
Product number	ET-6008
Brand	CANDOC

##### 1.2 Other means of identification

Blue 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

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### 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, CO<sub>2</sub>, 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.

## 2.3 Other hazards which do not result in classification

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## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

##### 1. Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]

Concentration 40 - 45 %

CAS no. 25036-25-3

- Acute toxicity, inhalation (chapter 3.1), Cat. 5

##### 2. Dipropylene glycol monomethyl ether

Concentration 20 - 25 %

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Other names / synonyms Propanol, 1(or 2)-(2-methoxymethylethoxy)-  
CAS no. 34590-94-8

- Flammable liquids (chapter 2.6), Cat. 4
- Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3

H227 Combustible liquid  
H335 May cause respiratory irritation

#### 3. TITANIUM DIOXIDE

Concentration 10 - 15 %

Other names / synonyms ANATASE; RUTILE; TITANIUM OXIDE; Titanium oxide (TiO<sub>2</sub>); TITANIUM  
WHITE; TITANIUM(IV) OXIDE; TITANIUMDIOXIDE  
CAS no. 13463-67-7

- Acute toxicity, inhalation (chapter 3.1), Cat. 5

#### 4. DIACETONE ALCOHOL

Concentration 5 - 10 %

Other names / synonyms 2-Pentanone, 4-hydroxy-4-methyl-;  
4-HYDROXY-4-METHYLPENTAN-2-ONE; DIACETONE ALCOHOL,  
TECHNICAL

EC no. 204-626-7  
CAS no. 123-42-2  
Index no. 603-016-00-1

- Eye damage/irritation (chapter 3.3), Cat. 2

H319 Causes serious eye irritation

#### 5. BLUE 15 B

Concentration < 0 - 5 %

Other names / synonyms

[29H,31H-PHTHALOCYANINATO(2-)-N<sub>29</sub>,N<sub>30</sub>,N<sub>31</sub>,N<sub>32</sub>]-[SP-4-1]-CO  
PPER; BLUE 15B; BLUE15B; C.I. 74160; C.I. PIGMENT BLUE 15; COPPER  
PHTHALOCYANINE; Copper,  
[29H,31H-phthalocyaninato(2-)-kappaN<sub>29</sub>,kappaN<sub>30</sub>,kappaN<sub>31</sub>,kappaN<sub>32</sub>]-,  
(SP-4-1)-; CYANINE BLUE; PHTHALOCYANINATO(2-)COPPER 1;  
PHTHALOCYANINE BLUE; PIGMENT BLUE 15; TURQUOISE BLUE BASE  
CAS no. 147-14-8

- Acute toxicity, inhalation (chapter 3.1), Cat. 5

#### 6. PROPYLENE GLYCOL MONOMETHYL ETHER

Concentration < 0 - 5 %

Other names / synonyms (+/-)-1-METHOXY-2-PROPANOL; 1-METHOXY-2-PROPANOL; 2-Propanol,  
1-methoxy-; GLYCOL ETHER PM; METHOXY ETHER OF PROPYLENE  
GLYCOL; MONOPROPYLENE GLYCOL METHYL ETHER; PGME;

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POLYPROPYLENE GLYCOL METHYL ETHER; PROPYLENE GLYCOL  
1-METHYL ETHER; PROPYLENE GLYCOL METHYL ETHER;

EC no. 203-539-1  
CAS no. 107-98-2  
Index no. 603-064-00-3

- Flammable liquids (chapter 2.6), Cat. 3

H226 Flammable liquid and vapor

### 7. Stoddard solvent

Concentration < 0 - 5 %  
CAS no. 8052-41-3

- Flammable liquids (chapter 2.6), Cat. 4
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 4
- 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

H226 Flammable liquid and vapor  
H302 Harmful if swallowed  
H312 Harmful in contact with skin  
H319 Causes serious eye irritation  
H333 May be harmful if inhaled

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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.

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.

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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.

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

### **8.1 Control parameters**

#### **1. Phenol, 4,4'-(1-methylethylidene)bis-, polymer with**

**2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane] (CAS: 25036-25-3)**

TWA (Inhalation): 10mg/m<sup>3</sup> (ACGIH)

#### **2. Phenol, 4,4'-(1-methylethylidene)bis-, polymer with**

**2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane] (CAS: 25036-25-3)**

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TWA (Inhalation): 15mg/m<sup>3</sup> (OSHA)

**3. Dipropylene glycol methyl ether (CAS: 34590-94-8)**

PEL (Inhalation): 100 ppm (OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

**4. Dipropylene glycol methyl ether (CAS: 34590-94-8)**

PEL (Inhalation): 600 mg/m<sup>3</sup> (OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

**5. Dipropylene glycol methyl ether (CAS: 34590-94-8)**

PEL (Inhalation): 100 ppm, (ST) 150 ppm (Cal/OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

**6. Dipropylene glycol methyl ether (CAS: 34590-94-8)**

REL (Inhalation): 100 ppm, (ST) 150 ppm (NIOSH)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

**7. Diacetone alcohol (4-Hydroxy-4-methyl-2-pentanone) (CAS: 123-42-2)**

PEL (Inhalation): 50 ppm (OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

**8. Diacetone alcohol (4-Hydroxy-4-methyl-2-pentanone) (CAS: 123-42-2)**

PEL (Inhalation): 240 mg/m<sup>3</sup> (OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

**9. Diacetone alcohol (4-Hydroxy-4-methyl-2-pentanone) (CAS: 123-42-2)**

PEL (Inhalation): 50 ppm (Cal/OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

**10. Diacetone alcohol (4-Hydroxy-4-methyl-2-pentanone) (CAS: 123-42-2)**

REL (Inhalation): 50 ppm (NIOSH)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

**11. PROPYLENE GLYCOL MONOMETHYL ETHER (CAS: 107-98-2 EC: 203-539-1)**

TWA (Inhalation): 50ppm (ACGIH)

**12. Stoddard solvent (CAS: 8052-41-3 EC: 232-489-3)**

TWA (Inhalation): 100ppm (ACGIH)

**13. Stoddard solvent (CAS: 8052-41-3 EC: 232-489-3)**

TWA (Inhalation): 350mg/m<sup>3</sup> TWA20000 mg/3 IDLH (OSHA)

**14. Titanium dioxide - Total dust (CAS: 13463-67-7)**

PEL (Inhalation): 15 mg/m<sup>3</sup> (OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

**15. Titanium dioxide - Total dust (CAS: 13463-67-7)**

PEL (Inhalation): See PNOR (Cal/OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

**16. Titanium dioxide - Total dust (CAS: 13463-67-7)**

REL (Inhalation): Ca, (ultrafine particles), 2.4 mg/m<sup>3</sup> (fine), 0.3 mg/m<sup>3</sup> (ultrafine), See Appendix A, See Appendix C (NIOSH)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

### 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

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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 incomplete 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	138 F
Evaporation rate	Slower than Ether
Flammability (solid, gas)	
Upper/lower flammability limits	14
Upper/lower explosive limits	1.1
Vapor pressure	No Data
Vapor density	Heavier than Air
Relative density	9.74lbs
Solubility(ies)	None 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	

### Other safety information

VOC WEIGHT 36.17%  
VOC VOLUME 44.90%  
VOC 3.52 LBS/GAL

## **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

#### **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



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### 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

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):

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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

#### SARA 311/312 Hazards

Dipropylene glycol methyl ether, Diacetone alcohol, Propylene Glycol Monomethyl Ether Titanium Dioxide

#### New Jersey Right To Know Components

Dipropylene glycol methyl ether, Diacetone alcohol, Propylene Glycol Monomethyl Ether, Stoddard Solvent, Titanium Dioxide

#### Massachusetts Right To Know Components

Dipropylene glycol methyl ether, Diacetone alcohol, Propylene Glycol Monomethyl Ether, Stoddard Solvent, Titanium Dioxide

#### Pennsylvania Right To Know Components

Dipropylene glycol methyl ether, Diacetone alcohol, Propylene Glycol Monomethyl Ether, Stoddard Solvent, Titanium Dioxide

#### HMIS Rating

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HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

#### NFPA Rating



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## SECTION 16: Other information

## **Safety Data Sheet**

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#### **16.1 Further information/disclaimer**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Carcinogenicity: In February 2006 IARC concluded, "There is inadequate evidence in humans for the carcinogenicity of titanium dioxide." Based on rat inhalation studies IARC concluded that there is "sufficient evidence in experimental animals for the carcinogenicity of titanium dioxide," IARC's overall evaluation was that "Titanium dioxide is possibly carcinogenic to humans (Group 2b)".

This conclusion was based on IARC's guidelines which require such a classification if two or more independent studies in one species carried out at different times or in different laboratories or under different protocols show evidence of tumours.

#### **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.