

# CUDNER & O'CONNOR CO.

# **Safety Data Sheet** ET-6023 DEEP RED **SECTION 1: Identification**

#### 1.1 Product identifier

Product name

ET-6023 DEEP RED

Product number Brand

ET-6023 CANDOC

#### 1.2 Other means of identification Red Printing Ink

1.3 Recommended use of the chemical and restrictions on use Uses : Printing Ink

#### Supplier's details 1.4

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

#### Emergency phone number(s) 1.5

800-535-5053

## **SECTION 2: Hazard identification**

#### Classification of the substance or mixture 2.1

- 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
- Carcinogenicity (chapter 3.6), Cat. 2

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

## Pictogram



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
H351	Suspected of causing cancer
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.

## 2.3 Other hazards which do not result in classification

# **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 %

Other names / synonyms CAS no.	Propanol, 1(or 2)-(2-methoxymethylethoxy)- 34590-94-8	
- Flammable liquids (chapter 2.6), Cat. 4 - Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3		
H227 H335	Combustible liquid May cause respiratory irritation	
3. DIACETONE ALCOHOL Concentration	5 - 10 %	
Other names / synonyms EC no. CAS no. Index no.	2-Pentanone, 4-hydroxy-4-methyl-; 4-HYDROXY-4-METHYLPENTAN-2-ONE; DIACETONE ALCOHOL, TECHNICAL 204-626-7 123-42-2 603-016-00-1	
- Eye damage/irritation (chapter 3.3), Cat. 2		
H319	Causes serious eye irritation	
4. LEAD POWDER Concentration	11.55 %	
Other names / synonyms CAS no.	C.I. 77575; C.I. PIGMENT METAL 4; KS-4; Lead; LEAD FLAKE; LEAD SZ; LEADPOWDER 7439-92-1	
- Toxic to reproduction (chapter 3.7),		
H361 Suspected of damaging fertility or the unborn child		
<b>5. CHROMIUM</b> Concentration CAS no.	2.63 % 7440-47-3	
- Eye damage/irritation (chapter 3.3), Cat. 1 - Toxic to reproduction (chapter 3.7), Cat. 2		
H361	Suspected of damaging fertility or the unborn child	
6. PROPYLENE GLYCOL MONOME Concentration	<b>ETHYL ETHER</b> < 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; POLYPROPYLENE GLYCOL METHYL ETHER; PROPYLENE GLYCOL 1-METHYL ETHER; PROPYLENE GLYCOL METHYL ETHER;	

EC no. CAS no. Index no.	203-539-1 107-98-2 603-064-00-3
- Flammable liquids (chapter 2.6), Cat. 3	
H226	Flammable liquid and vapor
<ul> <li>7. Stoddard solvent</li> <li>Concentration</li> <li>CAS no.</li> <li>Flammable liquids (chapter 2.6), Ca</li> <li>Hazardous to the aquatic environment</li> </ul>	< 0 - 5 % 8052-41-3 it. 4 ent - long-term hazard (chapter 4.1), Cat. 4
<ul> <li>Acute toxicity, dermal (chapter 3.1),</li> <li>Acute toxicity, inhalation (chapter 3.)</li> <li>Acute toxicity, oral (chapter 3.1), Ca</li> <li>Eye damage/irritation (chapter 3.3),</li> </ul>	Cat. 5 1), Cat. 5 at. 5
H226 H302 H312 H319 H333	Flammable liquid and vapor Harmful if swallowed Harmful in contact with skin Causes serious eye irritation May be harmful if inhaled
8. Aluminum oxide (Powder or Fibe Concentration	er) 0.5 %
Other names / synonyms	activated Alumina; alpha-Alumina; Alumina; Aluminum oxide; Aluminum oxide (Al2O3); Aluminum oxide (fibrous forms); ALUMINUMOXIDE
CAS no.	1344-28-1
H315 H319 H335	Causes skin irritation Causes serious eye irritation May cause respiratory irritation
<b>9. ANTIMONY</b> Concentration CAS no.	0.53 % 7440-36-0

# **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.

## **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.

## **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/m3 (ACGIH)

2. Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane] (CAS: 25036-25-3) TWA (Inhalation): 15mg/m3 (OSHA)

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

PEL (Inhalation): 100 ppm (OSHA) OSHA Annotated Table Z-1, www.osha.gov

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

PEL (Inhalation): 600 mg/m3 (OSHA) OSHA Annotated Table Z-1, 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

## 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

## 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

#### 8. Diacetone alcohol (4-Hydroxy-4-methyl-2-pentanone) (CAS: 123-42-2) PEL (Inhalation): 240 mg/m3 (OSHA)

OSHA Annotated Table Z-1, 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

**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

## **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/m3 TWA20000 mg/3 IDLH (OSHA)

### **14. Lead inorganic (as Pb);, see 1910.1025 (CAS: 7439-92-1)** PEL (Inhalation): 0.05 mg/m3, See Section 5198 (Cal/OSHA) OSHA Annotated Table Z-1, www.osha.gov

**15. Lead inorganic (as Pb);, see 1910.1025 (CAS: 7439-92-1)** REL (Inhalation): 0.05 mg/m3, See Appendix C (NIOSH) OSHA Annotated Table Z-1, www.osha.gov

**16. Chromium (II) compounds (as Cr) (CAS: 7440-47-3)** PEL (Inhalation): 0.5 mg/m3 (OSHA) OSHA Annotated Table Z-1, www.osha.gov

**17. Chromium (II) compounds (as Cr) (CAS: 7440-47-3)** PEL (Inhalation): 0.5 mg/m3 (Cal/OSHA) OSHA Annotated Table Z-1, www.osha.gov

# 18. Chromium (II) compounds (as Cr) (CAS: 7440-47-3)

REL (Inhalation): 0.5 mg/m3, See Appendix C (NIOSH) OSHA Annotated Table Z-1, www.osha.gov

#### **19. Chromium (III) compounds (as Cr) (CAS: 7440-47-3)** PEL (Inhalation): 0.5 mg/m3 (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

**20. Chromium (III) compounds (as Cr) (CAS: 7440-47-3)** PEL (Inhalation): 0.5 mg/m3 (Cal/OSHA) OSHA Annotated Table Z-1, www.osha.gov

## **21. Chromium (III) compounds (as Cr) (CAS: 7440-47-3)** REL (Inhalation): 0.5 mg/m3, See Appendix C (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

## 22. Chromium metal and insol. salts (as Cr) (CAS: 7440-47-3) PEL (Inhalation): 1 mg/m3 (OSHA) OSHA Annotated Table Z-1, www.osha.gov

**23. Chromium metal and insol. salts (as Cr) (CAS: 7440-47-3)** PEL (Inhalation): 0.5 mg/m3 (Cal/OSHA) OSHA Annotated Table Z-1, www.osha.gov

#### **24. Chromium metal and insol. salts (as Cr) (CAS: 7440-47-3)** REL (Inhalation): 0.5 mg/m3, See Appendix C (NIOSH) OSHA Annotated Table Z-1, www.osha.gov

## 25. alpha-Alumina (CAS: 1344-28-1)

PEL (Inhalation): see PNOR (Cal/OSHA) OSHA Annotated Table Z-1, www.osha.gov

## 26. alpha-Alumina (CAS: 1344-28-1)

REL (Inhalation): See Appendix D (NIOSH) OSHA Annotated Table Z-1, www.osha.gov

# 27. alpha-Alumina, Total dust (CAS: 1344-28-1)

PEL (Inhalation): 15 mg/m3 (OSHA) OSHA Annotated Table Z-1, www.osha.gov

## 28. alpha-Alumina, Total dust (CAS: 1344-28-1)

PEL (Inhalation): 10 mg/m3 (Cal/OSHA) OSHA Annotated Table Z-1, www.osha.gov

## 29. alpha-Alumina, Respirable fraction (CAS: 1344-28-1)

PEL (Inhalation): 5 mg/m3 (OSHA) OSHA Annotated Table Z-1, www.osha.gov

## 30. alpha-Alumina, Respirable fraction (CAS: 1344-28-1)

PEL (Inhalation): 5 mg/m3 (Cal/OSHA) OSHA Annotated Table Z-1, www.osha.gov

## 31. Antimony and compounds (as Sb) (CAS: 7440-36-0)

PEL (Inhalation): 0.5 mg/m3 (OSHA) OSHA Annotated Table Z-1, www.osha.gov

## 32. Antimony and compounds (as Sb) (CAS: 7440-36-0)

PEL (Inhalation): 0.5 mg/m3 (Cal/OSHA) OSHA Annotated Table Z-1, www.osha.gov

## 33. Antimony and compounds (as Sb) (CAS: 7440-36-0)

REL (Inhalation): 0.5 mg/m3 (NIOSH) OSHA Annotated Table Z-1, 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

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.

## **SECTION 9: Physical and chemical properties**

## Information on basic physical and chemical properties

Appearance/form Odor Odor threshold pH Melting point/freezing point Initial boiling point and boiling range Flash point Evaporation rate Flammability (solid, gas) Viscous Liquid Characteristist Solvent Odor No Data No Data No Data 138 F Slower than Ether

Upper/lower flammability limits Upper/lower explosive limits Vapor pressure Vapor density Relative density Solubility(ies) Partition coefficient: n-octanol/water Auto-ignition temperature Decomposition temperature Viscosity Explosive properties Oxidizing properties 14 1.1 No Data Heavier than Air 10.16 lbs None Soluable No Data No Data No Data No Data No Data No Data

## Other safety information

VOC WEIGHT 34.65% VOC VOLUME 44.94% 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

## **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

#### 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

## **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

## **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.

## **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

## ΙΑΤΑ

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

## **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, Lead, Chromium, Aluminum Oxide

#### SARA 313 Components

Lead, Chromium, Aluminum Oxide, Antimony

#### New Jersey Right To Know Components

Dipropylene glycol methyl ether, Diacetone alcohol, Propylene Glycol Monomethyl Ether, Stoddard Solvent, Lead, Chromium, Aluminum Oxide, Antimony

### Massachusetts Right To Know Components

Dipropylene glycol methyl ether, Diacetone alcohol, Propylene Glycol Monomethyl Ether, Stoddard Solvent, Lead, Chromium, Aluminum Oxide, Antimony

## Pennsylvania Right To Know Components

Dipropylene glycol methyl ether, Diacetone alcohol, Propylene Glycol Monomethyl Ether, Stoddard Solvent, Lead, Chromium, Aluminum Oxide, Antimony

## California Prop. 65 components

Chemical name: LEAD POWDER CAS number: 7439-92-1 02/27/1987 - developmental, female, male 10/01/1992 - Cancer Chemical name: CHROMIUM CAS number: 7440-47-3 07/01/2015 - Developmental, female, male

## California Prop. 65 Components

Warning ! Chromium (VI) This product contains a chemical known to the state of California to cause birth defects or other reproductive harm. LEAD This product contains a chemical known to the state of California to cause cancer. The conclusion that all Chromium (VI) and lead compounds have the same toxicological properties is not supported by current toxicological data for lead chromate based pigments. This information must be included in all SDS that are copied and distributed for theses materials.

## **HMIS Rating**

ET-6023 DEEP RED	
HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	В

## **NFPA Rating**



## **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 compliane obligations under any fereral, state or local laws.