

## SAFETY DATA SHEET CONFORMAL COATING THINNERS

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

**Product name** CONFORMAL COATING THINNERS  
**Product No.** DCT, EDCT01L, EDCT05L, ZE

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** Manufacture of electrical equipment  
**Uses advised against** At this moment in time we do not have information on use restrictions. They will be included in this safety data sheet when available

#### 1.3. Details of the supplier of the safety data sheet

**Supplier** ELECTROLUBE. A division of HK WENTWORTH LTD  
ASHBY PARK, COALFIELD WAY,  
ASHBY DE LA ZOUCH, LEICESTERSHIRE  
LE65 1JR  
UNITED KINGDOM  
+44 (0)1530 419600  
+44 (0)1530 416640  
info@hkw.co.uk

#### 1.4. Emergency telephone number

+44 (0)1530 419600 between 8.30am - 5.00pm GMT Mon – Fri

### SECTION 2: HAZARDS IDENTIFICATION

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

##### Classification (EC 1272/2008)

Physical and Chemical Hazards	Flam. Liq. 3 - H226
Human health	Acute Tox. 4 - H312; Acute Tox. 4 - H332; Skin Irrit. 2 - H315
Environment	Not classified.

##### Classification (1999/45/EEC)

Xn;R20/21. Xi;R38. R10.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

##### Environment

The product is not expected to be hazardous to the environment.

##### Physical and Chemical Hazards

Vapours are heavier than air and may travel along the floor and in the bottom of containers.

#### 2.2. Label elements

**Contains** XYLENE  
**Label In Accordance With (EC) No.** 1272/2008



**Signal Word**

Warning

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## Hazard Statements

H226	Flammable liquid and vapour.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H332	Harmful if inhaled.

## Precautionary Statements

P280	Wear protective gloves, eye and face protection.
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## Supplementary Precautionary Statements

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P261	Avoid breathing vapour/spray.
P302+352	IF ON SKIN: Wash with plenty of soap and water.
P332+313	If skin irritation occurs: Get medical advice/attention.
P403+235	Store in a well-ventilated place. Keep cool.

## Supplemental label information

EUH208	Contains ETHYL METHYL KETOXIME. May produce an allergic reaction.
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## 2.3. Other hazards

Not Classified as PBT/vPvB by current EU criteria.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

<b>XYLENE</b>	<b>80-100%</b>
CAS-No.: 1330-20-7	EC No.: 215-535-7
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315	Classification (67/548/EEC) R10 Xn;R20/21 Xi;R38
<b>ETHYL METHYL KETOXIME</b>	<b>&lt;0.5%</b>
CAS-No.: 96-29-7	EC No.: 202-496-6
Classification (EC 1272/2008) Acute Tox. 4 - H312 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Carc. 2 - H351	Classification (67/548/EEC) Carc. Cat. 3;R40 Xn;R21 R43 Xi;R41

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### Composition Comments

Ingredients not listed are classified as non-hazardous or at a concentration below reportable levels.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### Inhalation

Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.

#### Ingestion

DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Get medical attention immediately!

#### Skin contact

Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

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## Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists. Use tepid water for rinsing

## 4.2. Most important symptoms and effects, both acute and delayed

## 4.3. Indication of any immediate medical attention and special treatment needed

Treat Symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### Extinguishing media

Fire can be extinguished using: Foam. Dry chemicals, sand, dolomite etc.

### 5.2. Special hazards arising from the substance or mixture

#### Hazardous combustion products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

#### Unusual Fire & Explosion Hazards

Aerosol cans may explode in a fire. May explode when heated or when exposed to flames or sparks. Vapours are heavier than air and may spread near ground to sources of ignition.

#### Specific hazards

Aerosol containers can explode when heated, due to excessive pressure build-up.

### 5.3. Advice for firefighters

#### Special Fire Fighting Procedures

Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out.

#### Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Clean-up personnel should use respiratory and/or liquid contact protection. Absorb in vermiculite, dry sand or earth and place into containers.

### 6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. For waste disposal, see section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

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

Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

#### Storage Class

Flammable compressed gas storage.

### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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## 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
XYLENE	WEL	50 ppm	220 mg/m <sup>3</sup>	100 ppm	441 mg/m <sup>3</sup>	Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

### Ingredient Comments

WEL = Workplace Exposure Limits

## 8.2. Exposure controls

### Protective equipment



### Process conditions

Use engineering controls to reduce air contamination to permissible exposure level.

### Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

### Respiratory equipment

Respiratory protection must be used if air contamination exceeds acceptable level. In case of inadequate ventilation and work of brief duration, use suitable respiratory equipment. Use respiratory equipment with combination filter, type A2/P3. EN14387

### Hand protection

Use suitable protective gloves if risk of skin contact. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

### Eye protection

Wear approved, tight fitting safety glasses where splashing is probable.

### Other Protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

### Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Colourless.
Odour	Aromatic.
Solubility	Immiscible with water
Initial boiling point and boiling range (°C)	137 - 143 (278-389 F)
Relative density	0.870 @ 20 °c (68 F)
Flash point (°C)	27 (80.6 F) CC (Closed cup).
Flammability Limit - Lower(%)	1.1
Flammability Limit - Upper(%)	7

### 9.2. Other information

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

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Stable under normal temperature conditions.

## **10.3. Possibility of hazardous reactions**

Not available.

### **Hazardous Polymerisation**

Will not polymerise.

## **10.4. Conditions to avoid**

Avoid heat. Avoid contact with oxidisers or reducing agents.

## **10.5. Incompatible materials**

### **Materials To Avoid**

Strong oxidising substances.

## **10.6. Hazardous decomposition products**

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1. Information on toxicological effects**

#### **Toxicological information**

No information available.

#### **General information**

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

#### **Inhalation**

Vapours may cause headache, fatigue, dizziness and nausea. Vapour may irritate respiratory system or lungs.

#### **Ingestion**

Harmful if swallowed. Swallowing concentrated chemical may cause severe internal injury. May cause liver and/or renal damage.

#### **Skin contact**

Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Prolonged or repeated exposure may cause severe irritation.

#### **Eye contact**

Irritating to eyes. Vapour or spray may cause temporary (reversible) eye damage.

#### **Toxicological information on ingredients.**

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## XYLENE (CAS: 1330-20-7)

### Acute toxicity:

#### Acute Toxicity (Oral LD50)

3523 mg/kg Rat

#### Acute Toxicity (Dermal LD50)

12126 mg/kg Rabbit

#### Acute Toxicity (Inhalation LC50)

2700 mg/l (vapours) Rabbit 4 hours

### Aspiration hazard:

#### Inhalation

Harmful by inhalation. Upper respiratory irritation. Central nervous system depression. Vapours may cause drowsiness and dizziness.

#### Ingestion

Swallowing concentrated chemical may cause severe internal injury. May cause nausea, headache, dizziness and intoxication. Diarrhoea.

#### Skin contact

Harmful in contact with skin. Irritating to skin.

#### Eye contact

May cause severe irritation to eyes.

Central nervous system Liver Kidneys

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

Not regarded as dangerous for the environment.

#### Ecological information on ingredients.

### XYLENE (CAS: 1330-20-7)

#### Ecotoxicity

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

### 12.1. Toxicity

#### Ecological information on ingredients.

### XYLENE (CAS: 1330-20-7)

#### Acute Toxicity - Aquatic Invertebrates

EC50 48 hours 1.0 mg/l Daphnia magna

#### Acute Toxicity - Aquatic Plants

IC50 72 hours 2.2 mg/l

### 12.2. Persistence and degradability

#### Degradability

There are no data on the degradability of this product.

#### Ecological information on ingredients.

### XYLENE (CAS: 1330-20-7)

#### Degradability

The product is biodegradable.

### 12.3. Bioaccumulative potential

#### Bioaccumulative potential

No data available on bioaccumulation.

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## Ecological information on ingredients.

### XYLENE (CAS: 1330-20-7)

#### Bioaccumulation factor

BCF 25.9

#### Partition coefficient

3.2

## 12.4. Mobility in soil

### Ecological information on ingredients.

### XYLENE (CAS: 1330-20-7)

#### Mobility:

The product is insoluble in water.

## 12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

### Ecological information on ingredients.

### XYLENE (CAS: 1330-20-7)

Not Classified as PBT/vPvB by current EU criteria.

## 12.6. Other adverse effects

### Ecological information on ingredients.

### XYLENE (CAS: 1330-20-7)

Not determined.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

## SECTION 14: TRANSPORT INFORMATION

### 14.1. UN number

UN No. (ADR/RID/ADN)	1263
UN No. (IMDG)	1263
UN No. (ICAO)	1263

### 14.2. UN proper shipping name

Proper Shipping Name	PAINT RELATED MATERIAL
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### 14.3. Transport hazard class(es)

ADR/RID/ADN Class	3
ADR/RID/ADN Class	Class 3: Flammable liquids.
ADR Label No.	3
IMDG Class	3
ICAO Class/Division	3
Transport Labels	



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## 14.4. Packing group

ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III

## 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant  
No.

## 14.6. Special precautions for user

EMS	F-E, S-E
Emergency Action Code	•3Y
Hazard No. (ADR)	30
Tunnel Restriction Code	(D/E)

## 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No information required.

## SECTION 15: REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### **Statutory Instruments**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

#### **Guidance Notes**

Workplace Exposure Limits EH40.

#### **EU Legislation**

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

#### **Authorisations (Title VII Regulation 1907/2006)**

No specific authorisations are noted for this product.

#### **Restrictions (Title VIII Regulation 1907/2006)**

No specific restrictions of use are noted for this product.

### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

## SECTION 16: OTHER INFORMATION

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## CONFORMAL COATING THINNERS

### Risk Phrases In Full

R10	Flammable.
R20/21	Harmful by inhalation and in contact with skin.
R21	Harmful in contact with skin.
R38	Irritating to skin.
R40	Limited evidence of a carcinogenic effect.
R43	May cause sensitisation by skin contact.
R41	Risk of serious damage to eyes.

### Hazard Statements In Full

H226	Flammable liquid and vapour.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H351	Suspected of causing cancer.

### Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.