ELECTROLUBE
THE SOLUTIONS PEOPLE

SAFETY DATA SHEET
SCC3 CONFORMAL COATING

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

1. Identification

Product identifier

Product name SCC3 CONFORMAL COATING

Product number DCA-a, EDCA200H, ZE

Recommended use of the chemical and restrictions on use

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

Details of the supplier of the safety data sheet

Supplier

HK WENTWORTH-AMERICA
HK WENTWORTH-AMERICA
PO BOX 271347
FLOWER MOUND
TEXAS 75027
USA
info@hkw.co.uk

Emergency telephone number

Emergency telephone

+1 202 464 2554 (USA only)
+44 1235 239670

SCC3 CONFORMAL COATING

2. Hazard(s) identification

Classification of the substance or mixture

EC No 1272/2008

Physical hazards Press. Gas, Compressed - H280 Flam. Aerosol 1 - H222

Health hazards Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Repr. 2 - H361f STOT SE 3 - H336

Environmental hazards Aquatic Chronic 2 - H411

Label elements

Pictogram

Signal word Danger

Hazard statements
H222 Extremely flammable aerosol.
H315 Causes skin irritation.
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.
H361f Suspected of damaging fertility.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use
P261 Avoid breathing vapor/ spray.
P264 Wash contaminated skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P302+P352 If on skin: Wash with plenty of water.
P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.
P308+P313 If exposed or concerned: Get medical advice/ attention.
P312 Call a poison center/ doctor if you feel unwell.
P321 Specific treatment (see medical advice on this label).
P332+P313 If skin irritation occurs: Get medical advice/ attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501 Dispose of contents/ container in accordance with national regulations.

Contains XYLENE, CYCLOHEXANE, 1-METHOXY-2-PROPANOL, ETHYLBENZENE, HEXANE MIXTURE OF ISOMERS (MAX 5% n-HEXANE (203-777-6)), HEPTANE, HEXANE-norm

Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

3. Composition/information on ingredients

Mixtures

SCC3 CONFORMAL COATING

XYLENE CAS number: 1330-20-7	**10-30%**
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315	
CYCLOHEXANE CAS number: 110-82-7 M factor (Acute) = 1 M factor (Chronic) = 1	**10-30%**
Classification Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	
1-METHOXY-2-PROPANOL CAS number: 107-98-2	**5-10%**
Classification Flam. Liq. 3 - H226 STOT SE 3 - H336	
ETHYLBENZENE CAS number: 100-41-4	**1-5%**
Classification Flam. Liq. 2 - H225 Acute Tox. 4 - H332 STOT RE 2 - H373 Asp. Tox. 1 - H304	
HEXANE MIXTURE OF ISOMERS (MAX 5% n-HEXANE (203-777-6)) CAS number: 110-54-3	**1-5%**
Classification Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304	

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HEPTANE	**1-5%**
CAS number: 142-82-5	
Classification Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304	

HEXANE-norm	**<1%**
CAS number: 110-54-3 M factor (Acute) = 1	
Classification Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Repr. 2 - H361f STOT SE 3 - H336 STOT RE 2 - H373 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411	

PROPAN-2-OL	**<1%**
CAS number: 67-63-0	
Classification Flam. Liq. 2 - H225 Eye Irrit. 2A - H319 STOT SE 3 - H336	

4,5-DICHLORO-2-OCTYL-2H-ISOTHIAZOLINE-3-ONE	**<1%**
CAS number: 64359-81-5 M factor (Acute) = 100	
Classification Acute Tox. 4 - H302 Acute Tox. 1 - H330 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Acute 1 - H400	

The Full Text for all Hazard Statements are Displayed in Section 16.

Composition comments No classified ingredients, or those having occupational exposure limits, present above the levels of disclosure.

4. First-aid measures

Description of first aid measures

Inhalation	Move affected person to fresh air at once. Keep affected person warm and at rest. Get medical attention immediately.
Ingestion	Rinse mouth thoroughly with water. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Skin Contact	Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse with water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Indication of immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	Extinguish with the following media: Dry chemicals, sand, dolomite etc. Water spray, fog or mist. Powder.

Special hazards arising from the substance or mixture

Specific hazards	Containers can burst violently or explode when heated, due to excessive pressure build-up.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Toxic gases or vapors. Oxides of carbon.

Advice for firefighters

Protective actions during firefighting	Use water to keep fire exposed containers cool and disperse vapors. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

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

Environmental precautions

Environmental precautions	Do not discharge into drains or watercourses or onto the ground.

Methods and material for containment and cleaning up

Methods for cleaning up	Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers.
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. The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic environment. See Section 12 for additional information on ecological hazards. Collect and dispose of spillage as indicated in Section 13.

7. Handling and storage

Precautions for safe handling

Usage precautions	Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes.

Conditions for safe storage, including any incompatibilities

Storage precautions Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

Storage class Flammable compressed gas storage.

Specific end uses(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

8. Exposure Controls/personal protection

Control parameters

Occupational exposure limits

XYLENE

Long-term exposure limit (8-hour TWA): OSHA 100 ppm 435 mg/m³
Long-term exposure limit (8-hour TWA): ACGIH 100 ppm 434 mg/m³
Short-term exposure limit (15-minute): ACGIH 150 ppm 651 mg/m³
A4

CYCLOHEXANE

Long-term exposure limit (8-hour TWA): ACGIH 100 ppm 344 mg/m³
Long-term exposure limit (8-hour TWA): OSHA 300 ppm 1050 mg/m³

1-METHOXY-2-PROPANOL

Long-term exposure limit (8-hour TWA): ACGIH 50 ppm 184 mg/m³
Short-term exposure limit (15-minute): ACGIH 100 ppm 369 mg/m³
A4

ETHYLBENZENE

Long-term exposure limit (8-hour TWA): ACGIH 20 ppm 87 mg/m³
A3
Long-term exposure limit (8-hour TWA): OSHA 100 ppm 435 mg/m³

HEXANE MIXTURE OF ISOMERS (MAX 5% n-HEXANE (203-777-6))

Long-term exposure limit (8-hour TWA): ACGIH 50 ppm 176 mg/m³
Sk
Long-term exposure limit (8-hour TWA): OSHA 500 ppm 1800 mg/m³

HEPTANE

Long-term exposure limit (8-hour TWA): ACGIH 400 ppm 1640 mg/m³
Short-term exposure limit (15-minute): ACGIH 500 ppm 2050 mg/m³
Long-term exposure limit (8-hour TWA): OSHA 500 ppm 2000 mg/m³

HEXANE-norm

Long-term exposure limit (8-hour TWA): ACGIH 50 ppm 176 mg/m³
Sk
Long-term exposure limit (8-hour TWA): OSHA 500 ppm 1800 mg/m³

PROPAN-2-OL

Long-term exposure limit (8-hour TWA): OSHA 400 ppm 980 mg/m³
Long-term exposure limit (8-hour TWA): ACGIH 200 ppm 492 mg/m³
Short-term exposure limit (15-minute): ACGIH 400 ppm 984 mg/m³
A4

4,5-DICHLORO-2-OCTYL-2H-ISOTHIAZOLINE-3-ONE

Long-term exposure limit (8-hour TWA): 221
Short-term exposure limit (15-minute): 442

OSHA = Occupational Safety and Health Administration.
ACGIH = American Conference of Governmental Industrial Hygienists.
A3 = Confirmed Animal Carcinogen with Unknown Relevance to Humans.
Sk = Danger of cutaneous absorption.
A4 = Not Classifiable as a Human Carcinogen.

PROPAN-2-OL (CAS: 67-63-0)

DNEL	Industry - Dermal; : 888 mg/kg/day Industry - Inhalation; : 500 mg/m³ Consumer - Dermal; : 319 mg/kg/day Consumer - Inhalation; : 89 mg/m³ Consumer - Oral; : 26 mg/kg/day
PNEC	- Fresh water; 140.9 mg/l - Marine water; 140.9 mg/l - Sediment; 552 mg/kg - Soil; 28 mg/kg

Exposure controls

Protective equipment

Appropriate engineering controls	All handling should only take place in well-ventilated areas. Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.
Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with OSHA 1910.133.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. It is recommended that gloves are made of the following material: Nitrile rubber. Polyvinyl alcohol (PVA). Viton rubber (fluoro rubber). To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact.
Hygiene measures	Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station. Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.
Respiratory protection	No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Combination filter, type A2/P3. Gas and combination filter cartridges should comply with OSHA 1910.134.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Liquid. Aerosol.
Color	Colorless.
Odor	Solvent.
Melting point	-24°C/-11.2°F

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Initial boiling point and range	137 - 143°C/278.6 - 289.4°F @
Flash point	25°C/77°F OC (Open cup).
Upper/lower flammability or explosive limits	: 1.1 - 7
Relative density	0.780
Solubility(ies)	Insoluble in water.
Auto-ignition temperature	480°C/896°F
Viscosity	180-250 mPa s @ 20°C/68°F
Volatility	Volatile.

10. Stability and reactivity

Reactivity	There are no known reactivity hazards associated with this product.
Stability	Stable at normal ambient temperatures.
Possibility of hazardous reactions	Not available. Will not polymerize.
Conditions to avoid	Avoid heat, flames and other sources of ignition.
Materials to avoid	Flammable/combustible materials. Strong oxidizing agents.
Hazardous decomposition products	Fire creates: Vapors/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2).

11. Toxicological information

Information on toxicological effects

Other health effects	There is no evidence that the product can cause cancer.

Acute toxicity - dermal

ATE dermal (mg/kg)	5,547.94

Acute toxicity - inhalation

ATE inhalation (gases ppm)	19,326.73
ATE inhalation (vapours mg/l)	15.97
ATE inhalation (dusts/mists mg/l)	6.44

Inhalation	Harmful by inhalation. Gas or vapor in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Headache. Fatigue. Nausea, vomiting. Vapors may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system.
Skin Contact	Harmful in contact with skin. Irritating to skin. Product has a defatting effect on skin. Prolonged contact may cause dryness of the skin. May cause allergic contact eczema.
Eye contact	Irritating to eyes.
Route of entry	Inhalation

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Toxicological Information on Ingredients.

XYLENE

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	12,126.0
Species	Rabbit
ATE dermal (mg/kg)	1,100.0

Carcinogenicity

IARC carcinogenicity	IARC Group 3 Not classifiable as to its carcinogenicity to humans.
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. Diarrhea.
Skin Contact	Harmful in contact with skin. Irritating to skin.
Eye contact	May cause severe eye irritation.
Target Organs	Central nervous system Liver Kidneys

1-METHOXY-2-PROPANOL

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	4,016.0
Species	Rat
ATE oral (mg/kg)	4,016.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	3,000.0
Species	Rabbit
ATE dermal (mg/kg)	3,000.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} vapours mg/l)	54.6
Species	Rat
ATE inhalation (vapours mg/l)	54.6

ETHYLBENZENE

Carcinogenicity

IARC carcinogenicity	IARC Group 2B Possibly carcinogenic to humans.

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12. Ecological Information

Ecotoxicity Dangerous for the environment if discharged into watercourses.

Ecological information on ingredients.

XYLENE

Ecotoxicity The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

Toxicity

Ecological information on ingredients.

DIMETHYL ETHER

Acute toxicity - fish LC_{50}, >4000 hours: 96 mg/l,

XYLENE

Acute toxicity - fish LC_{50}, 96 hours: mg/l, Fish

Acute toxicity - aquatic invertebrates EC_{50}, 48 hours: 1.0 mg/l, Daphnia magna
EC_{50}, 48 hours: mg/l, Daphnia magna

Acute toxicity - aquatic plants IC_{50}, 72 hours: 2.2 mg/l,

CYCLOHEXANE

Acute aquatic toxicity

LE(C)$_{50}$ 0.1 < L(E)C50 ≤ 1

M factor (Acute) 1

Acute toxicity - fish LC_{50}, 96 hours: 42.3 mg/l, Fish

Chronic aquatic toxicity

NOEC 0.01 < NOEC ≤ 0.1

Degradability Non-rapidly degradable

M factor (Chronic) 1

1-METHOXY-2-PROPANOL

Acute toxicity - fish LC_{50}, 96 hours: 20800 mg/l, Fish

Acute toxicity - aquatic invertebrates EC_{50}, 48 hours: 23300 mg/l, Daphnia magna

HEXANE MIXTURE OF ISOMERS (MAX 5% n-HEXANE (203-777-6))

Acute aquatic toxicity

LE(C)$_{50}$ 0.1 < L(E)C50 ≤ 1

Chronic aquatic toxicity

NOEC 0.01 < NOEC ≤ 0.1

HEPTANE

Acute aquatic toxicity

LE(C)$_{50}$ 0.1 < L(E)C50 ≤ 1

Acute toxicity - fish LC_{50}, 96 hours: 4.924 mg/l, Fish

Chronic aquatic toxicity

NOEC 0.01 < NOEC ≤ 0.1

Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

Ecological information on ingredients.

XYLENE

Persistence and degradability The product is biodegradable.

Bioaccumulative potential

Bio-Accumulative Potential No data available on bioaccumulation.

Ecological information on ingredients.

XYLENE

Bio-Accumulative Potential BCF: 25.9,

Partition coefficient : 3.2

Mobility in soil

Ecological information on ingredients.

XYLENE

Mobility The product is insoluble in water.

Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

XYLENE

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

Other adverse effects

Ecological information on ingredients.

XYLENE

Other adverse effects Not determined.

13. Disposal considerations

Waste treatment methods

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Disposal methods Empty containers must not be punctured or incinerated because of the risk of an explosion. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14. Transport Information

UN Number

UN No. (TDG) 1950

UN No. (IMDG) 1950

UN No. (ICAO) 1950

UN No. (DOT) ID8000

UN proper shipping name

Proper shipping name (TDG) AEROSOLS (CYCLOHEXANE)

Proper shipping name (IMDG) CONSUMER COMMODITY

Proper shipping name (ICAO) CONSUMER COMMODITY

Proper shipping name (DOT) CONSUMER COMMODITY

Transport hazard class(es)

DOT hazard class 9

DOT hazard label 9

TDG class ORM-D (Other Regulated Material D).

TDG label(s) No DOT label requirement noted

IMDG Class 2.1

ICAO class/division 2.1

Transport labels

DOT transport labels

Packing group

Not applicable.

Environmental hazards

Environmentally Hazardous Substance

Special precautions for user

EmS F-D, S-U

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15. Regulatory information

16. Other information

Issued by	Bethan Massey
Revision date	10/10/2016
Revision	20
SDS No.	11409
Hazard statements in full	H222 Extremely flammable aerosol. H225 Highly flammable liquid and vapor. H226 Flammable liquid and vapor. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H330 Fatal if inhaled. H332 Harmful if inhaled. H336 May cause drowsiness or dizziness. H361f Suspected of damaging fertility. H373 May cause damage to organs (Hearing organs) through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.
NFPA - health hazard	Irritation, minor residual injury. (1)
NFPA - flammability hazard	Ignites easily. (3)
NFPA - instability hazard	Normally stable. (0)
ACA HMIS Health rating.	Slight hazard. (1)
ACA HMIS Flammability rating.	Ignites easily. (3)
ACA HMIS Physical hazard rating.	Normally stable. (0)
ACA HMIS Personal protection rating.	B