



## SAFETY DATA SHEET

### SCC3 CONFORMAL COATING

#### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**PRODUCT NAME** SCC3 CONFORMAL COATING

**PRODUCT NO.** EDCA200H

**APPLICATION** Conformal coating for appliance protection

**SUPPLIER** ELECTROLUBE. A division of  
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#### 2 HAZARDS IDENTIFICATION

Extremely flammable.

Harmful by inhalation and in contact with skin.

Irritating to skin.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**CLASSIFICATION** Xn;R20/21. Xi;R38. F+;R12. N;R51/53.

#### PHYSICAL AND CHEMICAL HAZARDS

Aerosol containers can explode when heated, due to excessive pressure build-up. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
DIMETHYL ETHER	204-065-8	115-10-6	30-60%	F+;R12
XYLENE	215-535-7	1330-20-7	10-30%	R10 Xn;R20/21 Xi;R38
CYCLOHEXANE	203-806-2	110-82-7	10-30%	F;R11 Xn;R65 Xi;R38 R67 N;R50/53
1-METHOXY-2-PROPANOL	203-539-1	107-98-2	5-10%	R10
HEXANE MIXTURE OF ISOMERS (MAX 5% n-HEXANE (203-777-6))			1-5%	F;R11 Xn;R65 Xi;R38 R67 N;R51/53
HEPTANE	205-563-8	142-82-5	1-5%	F;R11 Xn;R65 Xi;R38 R67 N;R50/53
HEXANE-norm	203-777-6	110-54-3	<0.5%	F;R11 Repr3;R62 Xn;R65,R48/20 Xi;R38 R67 N;R51/53
4,5-DICHLORO-2-OCTYL-2H-ISOTHIAZOLIN E-3-ONE		64359-81-5	<0.1%	T+;R26. Xn;R22. C;R34. N;R50. R43.
PROPAN-2-OL	200-661-7	67-63-0	<0.5%	F;R11 Xi;R36 R67

The Full Text for all R-Phrases are Displayed in Section 16

#### COMPOSITION COMMENTS

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

#### 4 FIRST-AID MEASURES

**SCC3 CONFORMAL COATING****NOTES TO THE PHYSICIAN**

Treat symptomatically

**INHALATION**

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

**INGESTION**

Rinse mouth thoroughly. Provide rest, warmth and fresh air.

**SKIN CONTACT**

Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

**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. Get medical attention if any discomfort continues. Use tepid water for rinsing

**5 FIRE-FIGHTING MEASURES****EXTINGUISHING MEDIA**

Use: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

**SPECIAL FIRE FIGHTING PROCEDURES**

Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.

**UNUSUAL FIRE & EXPLOSION HAZARDS**

Aerosol cans may explode in a fire.

**6 ACCIDENTAL RELEASE MEASURES****SPILL CLEAN UP METHODS**

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers.

**7 HANDLING AND STORAGE****USAGE PRECAUTIONS**

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact.

**STORAGE PRECAUTIONS**

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

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
1-METHOXY-2-PROPANOL	WEL	100 ppm(Sk)	375 mg/m3(Sk)	150 ppm(Sk)	560 mg/m3(Sk)	
4,5-DICHLORO-2-OCTYL-2H-ISOTHIAZOLIN E-3-ONE	WEL	50 ppm	220 mg/m3	100 ppm	441 mg/m3	
CYCLOHEXANE	WEL	100 ppm	350 mg/m3	300 ppm	1050 mg/m3	
DIMETHYL ETHER	WEL	400 ppm	766 mg/m3	500 ppm	958 mg/m3	
HEPTANE	WEL	500 ppm				
HEXANE-norm	WEL	20 ppm	72 mg/m3			
PROPAN-2-OL	WEL	400 ppm	999 mg/m3	500 ppm	1250 mg/m3	
XYLENE	WEL	50 ppm(Sk)	220 mg/m3(Sk)	100 ppm(Sk)	441 mg/m3(Sk)	

WEL = Workplace Exposure Limit.

**INGREDIENT COMMENTS**

WEL = Workplace Exposure Limits

**PROTECTIVE EQUIPMENT**

## SCC3 CONFORMAL COATING

**ENGINEERING MEASURES**

All handling to take place in well-ventilated area.

**RESPIRATORY EQUIPMENT**

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit.

**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**

Use eye protection.

**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 at the end of each work shift and before eating, smoking and using the toilet.

When using do not eat, drink or smoke.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE</b>	Aerosol Liquid		
<b>COLOUR</b>	Colourless		
<b>ODOUR</b>	Solvent.		
<b>VOLATILITY DESCRIPTION</b>	Volatile.		
<b>SOLUBILITY</b>	Insoluble in water		
<b>BOILING POINT (°C)</b>	137 - 143 (278.6 - 289.4 F)	<b>MELTING POINT (°C)</b>	-24 ( -11.2 F)
<b>RELATIVE DENSITY</b>	0.780	<b>FLASH POINT (°C)</b>	25 (77 F) OC (Open cup).
<b>AUTO IGNITION TEMPERATURE (°C)</b>	480	<b>FLAMMABILITY LIMIT - LOWER(%)</b>	1.1
<b>FLAMMABILITY LIMIT - UPPER(%)</b>	7		

## 10 STABILITY AND REACTIVITY

**STABILITY**

Stable under normal temperature conditions.

**CONDITIONS TO AVOID**

Avoid heat, flames and other sources of ignition. Avoid contact with: Strong oxidising agents. Strong alkalis. Strong mineral acids.

**HAZARDOUS DECOMPOSITION PRODUCTS**

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

## 11 TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION**

No information available.

**INHALATION**

Harmful by inhalation. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting. Vapours 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. May cause allergic contact eczema. Product has a defatting effect on skin. Prolonged contact may cause dryness of the skin.

**EYE CONTACT**

Irritating to eyes.

**Other Health Effects**

This substance has no evidence of carcinogenic properties.

**SCC3 CONFORMAL COATING****ROUTE OF ENTRY**

Inhalation.

<b>Name</b>	HEPTANE
<b>Toxic Dose 1 - LD 50</b>	222 mg/kg (ivn-mouse)
<b>Toxic Conc. - LC 50</b>	103 ppm/4h (inh-rat)
<b>Name</b>	CYCLOHEXANE
<b>Toxic Dose 1 - LD 50</b>	12705 mg/kg (oral rat)
<b>Toxic Dose 2 - LD 50</b>	813 mg/kg (oral-mouse)
<b>Name</b>	XYLENE
<b>Toxic Dose 1 - LD 50</b>	4300 mg/kg (oral rat)
<b>Name</b>	PROPAN-2-OL
<b>Toxic Dose 1 - LD 50</b>	5045 mg/kg (oral rat)
<b>Toxic Dose 2 - LD 50</b>	3600 mg/kg (oral-mouse)
<b>Toxic Conc. - LC 50</b>	47-73 mg/l/4h (inh-rat)
<b>Name</b>	1-METHOXY-2-PROPANOL
<b>Toxic Dose 1 - LD 50</b>	5200 mg/kg (oral rat)
<b>Toxic Dose 2 - LD 50</b>	11700 mg/kg (oral-mouse)

**12 ECOLOGICAL INFORMATION****ECOTOXICITY**

Dangerous for the environment if discharged into watercourses.

<b>Name</b>	HEPTANE
<b>LC 50, 96 Hrs, FISH mg/l</b>	4.924
<b>Name</b>	CYCLOHEXANE
<b>LC 50, 96 Hrs, FISH mg/l</b>	42.3
<b>Name</b>	XYLENE
<b>LC 50, 96 Hrs, FISH mg/l</b>	2.6-8.4
<b>EC 50, 48 Hrs, DAPHNIA, mg/l</b>	1.0-4.7
<b>Name</b>	PROPAN-2-OL
<b>LC 50, 96 Hrs, FISH mg/l</b>	9600
<b>EC 50, 48 Hrs, DAPHNIA, mg/l</b>	10000
<b>Name</b>	1-METHOXY-2-PROPANOL
<b>LC 50, 96 Hrs, FISH mg/l</b>	20800
<b>EC 50, 48 Hrs, DAPHNIA, mg/l</b>	23300

**13 DISPOSAL CONSIDERATIONS****DISPOSAL METHODS**

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements.

**14 TRANSPORT INFORMATION**

<b>UK ROAD CLASS</b>	2		
<b>PROPER SHIPPING NAME</b>	AEROSOLS		
<b>UN NO. ROAD</b>	1950	<b>UK ROAD PACK GR.</b>	N/A
<b>ADR CLASS NO.</b>	2	<b>ADR CLASS</b>	Class 2: Gases
<b>ADR PACK GROUP</b>	N/A	<b>ADR LABEL NO.</b>	2.1
<b>CEFIC TEC(R) NO.</b>	20G5F	<b>RID CLASS NO.</b>	2
<b>RID PACK GROUP</b>	N/A	<b>UN NO. SEA</b>	1950
<b>IMDG CLASS</b>	2.1	<b>IMDG PACK GR.</b>	N/A

**SCC3 CONFORMAL COATING**

<b>EMS</b>	F-D, S-U	<b>MFAG</b>	See Guide
<b>MARINE POLLUTANT</b>	No.	<b>UN NO. AIR</b>	1950
<b>AIR CLASS</b>	2.1	<b>AIR PACK GR.</b>	N/A

**15 REGULATORY INFORMATION****SYMBOLS**

Harmful



Extremely Flammable



Dangerous for the environment

**CONTAINS**

XYLENE

**RISK PHRASES**

R12	Extremely flammable.
R38	Irritating to skin.
R20/21	Harmful by inhalation and in contact with skin.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**SAFETY PHRASES**

A1	Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
A2	Do not spray on a naked flame or any incandescent material.
S2	Keep out of the reach of children
S16	Keep away from sources of ignition - No smoking.
S23	Do not breathe vapour/spray.
S24	Avoid contact with skin.
S38	In case of insufficient ventilation, wear suitable respiratory equipment.
S36/37	Wear suitable protective clothing and gloves.

**UK REGULATORY REFERENCES**

Chemicals (Hazard Information & Packaging) Regulations.

The Control of Substances Hazardous to Health Regulations 1988.

**ENVIRONMENTAL LISTING**

Rivers (Prevention of Pollution) Act 1961. Control of Pollution (Special Waste Regulations) Act 1980. Control of Pollution Act 1974.

**EU DIRECTIVES**

System of specific information relating to Dangerous Preparations. 2001/58/EC.

Dangerous Substance Directive 67/548/EEC.

Dangerous Preparations Directive 1999/45/EC.

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.

**APPROVED CODE OF PRACTICE**

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

**GUIDANCE NOTES**

Workplace Exposure Limits EH40.

**16 OTHER INFORMATION**

**SCC3 CONFORMAL COATING****REVISION COMMENTS**

Revised in accordance with CHIP3 and EU Directives 1999/45/EC and 2001/58/EC

**ISSUED BY**

Helen O'Reilly

**REVISION DATE** SEPTEMBER 2008

**REV. NO./REPL. SDS** 4

**GENERATED**

**SDS NO.** 11409

**RISK PHRASES IN FULL**

R10	Flammable.
R11	Highly flammable.
R12	Extremely flammable.
R20/21	Harmful by inhalation and in contact with skin.
R22	Harmful if swallowed.
R26	Very toxic by inhalation.
R34	Causes burns.
R36	Irritating to eyes.
R38	Irritating to skin.
R43	May cause sensitisation by skin contact.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R50	Very toxic to aquatic organisms.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62	Possible risk of impaired fertility.
R65	Harmful: may cause lung damage if swallowed.
R67	Vapours may cause drowsiness and dizziness.

**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.