

SAFETY DATA SHEET FLEXIBLE SILICONE COATING

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME FLEXIBLE SILICONE COATING
PRODUCT NO. EFSC400
APPLICATION Conformal coating for appliance protection
SUPPLIER ELECTROLUBE. A division of HK
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2 HAZARDS IDENTIFICATION

Extremely flammable.

Harmful by inhalation and in contact with skin.

Irritating to skin.

CLASSIFICATION Xn;R20/21. Xi;R38. F+;R12.

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
XYLENE	215-535-7	1330-20-7	30-60%	R10 Xn;R20/21 Xi;R38
BUTANE	203-448-7	106-97-8	30-60%	F+;R12

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

NOTES TO THE PHYSICIAN

Treat symptomatically

INHALATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

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.

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.

FLEXIBLE SILICONE COATING

UNUSUAL FIRE & EXPLOSION HAZARDS

Aerosol cans may explode in a fire. Risk of explosion if heated.

6 ACCIDENTAL RELEASE MEASURES

SPILL CLEAN UP METHODS

Absorb with inert, damp, non-combustible material, then flush area with water.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

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

STORAGE PRECAUTIONS

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

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
BUTANE	WEL	600 ppm	1450 mg/m3	750 ppm	1810 mg/m3
XYLENE	WEL	50 ppm(Sk)	220 mg/m3(Sk)	100 ppm(Sk)	441 mg/m3(Sk)

PROTECTIVE EQUIPMENT



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

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 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

APPEARANCE	Aerosol		
COLOUR	Grey		
ODOUR	Solvent.		
SOLUBILITY	Immiscible with water		
RELATIVE DENSITY	0.562 @ 20 °c (68 F)	BULK DENSITY	562 kg/m3
VISCOSITY	45 mPas @ 20 °c (68 F)	AUTO IGNITION	410/550 (770/1022 F)
FLAMMABILITY LIMIT - LOWER(%)	1.8	TEMPERATURE (°C)	
		FLAMMABILITY LIMIT - UPPER(%)	10

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

FLEXIBLE SILICONE COATING

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 (CO₂).

11 TOXICOLOGICAL INFORMATION

INHALATION

May cause irritation to the respiratory system. Vapours may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system.

SKIN CONTACT

Harmful in contact with skin. Prolonged or repeated exposure may cause severe irritation. Product has a defatting effect on skin.

EYE CONTACT

Irritating to eyes.

ROUTE OF ENTRY

Inhalation. Skin and/or eye contact.

Name	XYLENE
Toxic Dose 1 - LD 50	4300 mg/kg (oral rat)

12 ECOLOGICAL INFORMATION

ECOTOXICITY

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

Name	XYLENE
LC 50, 96 Hrs, FISH mg/l	2.6-8.4
EC 50, 48 Hrs, DAPHNIA, mg/l	1.0-4.7

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



UK ROAD CLASS	2.1	UK ROAD PACK GR.	#
PROPER SHIPPING NAME	AEROSOLS	ADR CLASS	Class 2: Gases
UN NO. ROAD	1950	ADR LABEL NO.	2.1
ADR CLASS NO.	2.1	RID CLASS NO.	2.1
ADR PACK GROUP	#	UN NO. SEA	1950
CEFIC TEC(R) NO.	20G5F	IMDG PAGE NO.	2102
RID PACK GROUP	#	EMS	F-D, S-U
IMDG CLASS	2.1	MARINE POLLUTANT	No.
IMDG PACK GR.	#	AIR CLASS	2.1
MFAG	See Guide		
UN NO. AIR	1950		
AIR PACK GR.	#		

15 REGULATORY INFORMATION

LABELLING

FLEXIBLE SILICONE COATING



Harmful



Extremely Flammable

CONTAINS

XYLENE

RISK PHRASES

R12 Extremely flammable.
R20/21 Harmful by inhalation and in contact with skin.
R38 Irritating to skin.

SAFETY PHRASES

S16 Keep away from sources of ignition - No smoking.
S23 Do not breathe vapour/spray.
S24 Avoid contact with skin.
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

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.

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

REVISION DATE FEBRUARY 2008

REV. NO./REPL. SDS GENERATED 1

SDS NO. 12473

RISK PHRASES IN FULL

R10 Flammable.
R12 Extremely flammable.
R20/21 Harmful by inhalation and in contact with skin.
R38 Irritating to skin.

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.