SAFETY DATA SHEET
HIGH PERFORMANCE ACRYLIC CONFORMAL COATING

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

PRODUCT NAME: HIGH PERFORMANCE ACRYLIC CONFORMAL COATING
PRODUCT NO.: HPA-a
APPLICATION: Conformal coating for appliance protection
SUPPLIER: ELECTROLUBE, a division of HK WENTWORTH LTD,
ASHBY PARK, COALFIELD WAY,
ASHBY DE LA ZOUCH,
LEICESTERSHIRE LE65 1JF
UNITED KINGDOM
+44 (0)1530 419600
+44 (0)1530 416640
info@hkw.co.uk

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

2 HAZARDS IDENTIFICATION

Extremely flammable
Vapours may cause drowsiness and dizziness.
Irritating to eyes and skin.
Possible risk of harm to the unborn child.
Harmful: danger of serious damage to health by prolonged exposure through inhalation.

CLASSIFICATION (1999/45) Xn;R48/20. Repr. Cat. 3;R63. Xi;R36/38. F+;R12. R67.

PHYSICAL AND CHEMICAL HAZARDS

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

3 COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Name</th>
<th>EC No.</th>
<th>CAS-No.</th>
<th>Content %</th>
<th>Classification (67/548/EEC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOLUENE</td>
<td>203-625-9</td>
<td>108-88-3</td>
<td>30-60%</td>
<td>F;R11 Repr.Cat.3;R63</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Xn;R48/20;R65 Xi;R38 R67</td>
</tr>
<tr>
<td>BUTANONE</td>
<td>201-159-0</td>
<td>78-93-3</td>
<td>10-30%</td>
<td>F;R11 Xi;R36 R66 R67</td>
</tr>
<tr>
<td>BUTANE</td>
<td>203-448-7</td>
<td>106-97-8</td>
<td>10-30%</td>
<td>F+;R12</td>
</tr>
<tr>
<td>SOLVENT NAPHTHA</td>
<td>265-199-0</td>
<td>64742-95-6</td>
<td>&lt;0.5%</td>
<td>Xn;R65. Xi;R37. N;R51/53. R10.</td>
</tr>
</tbody>
</table>

The Full Text for all R-Phrases is 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. Keep the affected person warm and at rest. Get prompt medical attention. Get medical attention.
HIGH PERFORMANCE ACRYLIC CONFORMAL COATING

INGESTION
Not relevant.

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
Move container from fire area if it can be done without risk.

UNUSUAL FIRE & EXPLOSION HAZARDS
Aerosol cans may explode in a fire.

6 ACCIDENTAL RELEASE MEASURES

SPILL CLEAN UP METHODS
Absorb in vermiculite, dry sand or earth and place into containers. Ventilate well.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS
Avoid spilling, skin and eye contact. Provide good ventilation.

STORAGE PRECAUTIONS
Store at moderate temperatures in dry, well ventilated area.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Name</th>
<th>STD</th>
<th>TWA - 8 Hrs</th>
<th>STEL - 15 Min</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUTANE</td>
<td></td>
<td>600 ppm</td>
<td>1450 mg/m³</td>
<td></td>
</tr>
<tr>
<td>BUTANONE</td>
<td></td>
<td>200 ppm</td>
<td>600 mg/m³</td>
<td></td>
</tr>
<tr>
<td>TOLUENE</td>
<td></td>
<td>50 ppm</td>
<td>191 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

WEL = Workplace Exposure Limit.
Sk = Can be absorbed through skin.

PROTECTIVE EQUIPMENT

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

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE Aerosol Liquid
COLOUR White
ODOUR Characteristic
VOLATILITY DESCRIPTION Volatile.
SOLUBILITY Insoluble in water
HIGH PERFORMANCE ACRYLIC CONFORMAL COATING

<table>
<thead>
<tr>
<th>RELATIVE DENSITY</th>
<th>@ 20 °c (68 F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>VAPOUR PRESSURE</td>
<td>0.87 kPa @ 25 °c (77 F)</td>
</tr>
<tr>
<td>FLASH POINT (°C)</td>
<td>&lt;0 (32 F) CC (Closed cup)</td>
</tr>
<tr>
<td>AUTO IGNITION</td>
<td>410/550</td>
</tr>
<tr>
<td>TEMPERATURE (°C)</td>
<td></td>
</tr>
<tr>
<td>FLAMMABILITY LIMIT - LOWER(%)</td>
<td>1.8</td>
</tr>
<tr>
<td>FLAMMABILITY LIMIT - UPPER(%)</td>
<td>10</td>
</tr>
</tbody>
</table>

10 STABILITY AND REACTIVITY

STABILITY
Stable under normal temperature conditions.

CONDITIONS TO AVOID
Avoid heat, flames and other sources of ignition. Avoid contact with acids and alkalis.

MATERIALS TO AVOID
Powdered metal. Alkali metals. Alkali earth metals.

11 TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION
No information available.

INHALATION
Harmful by inhalation. May cause irritation to the respiratory system. Vapours may cause headache, fatigue, dizziness and nausea. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

SKIN CONTACT
Product has a defatting effect on skin. Prolonged contact may cause dryness of the skin.

EYE CONTACT
Irritating to eyes.

HEALTH WARNINGS
Intentional misuse by concentrating / inhaling contents may be lethal

ROUTE OF ENTRY
Inhalation.

<table>
<thead>
<tr>
<th>Name</th>
<th>BUTANE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxic Conc. - LC 50</td>
<td>658 mg/l/4h (inh-rat)</td>
</tr>
<tr>
<td>Name</td>
<td>TOLUENE</td>
</tr>
<tr>
<td>Toxic Dose 1 - LD 50</td>
<td>5000 mg/kg (oral rat)</td>
</tr>
<tr>
<td>Name</td>
<td>BUTANONE</td>
</tr>
</tbody>
</table>

12 ECOLOGICAL INFORMATION

ECOTOXICITY
No data on possible environmental effects have been found. Not regarded as dangerous for the environment.

<table>
<thead>
<tr>
<th>Name</th>
<th>TOLUENE</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC 50, 96 Hrs, Fish mg/l</td>
<td>24</td>
</tr>
<tr>
<td>EC 50, 48 Hrs, Daphnia, mg/l</td>
<td>19.6</td>
</tr>
<tr>
<td>Name</td>
<td>BUTANONE</td>
</tr>
<tr>
<td>LC 50, 96 Hrs, Fish mg/l</td>
<td>3200 - 5600</td>
</tr>
<tr>
<td>EC 50, 48 Hrs, Daphnia, mg/l</td>
<td>7060</td>
</tr>
</tbody>
</table>

Mobility
The product is soluble in water.

Bioaccumulative Potential
No data available on bioaccumulation.

Degradability
The product is easily biodegradable.

Acute Fish Toxicity
Not considered toxic to fish.

13 DISPOSAL CONSIDERATIONS


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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

PROPER SHIPPING NAME: AEROSOLS
PROPER SHIPPING NAME: CONSUMER COMMODITY
ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT
UN NO. ROAD: 1950
ADR CLASS NO.: 2
ADR CLASS: Class 2: Gases
ADR PACK GROUP: N/A
ADR LABEL NO.: 1950
UN NO. SEA: 2.1
IMDG CLASS: N/A
IMDG PACK GR.: F-D, S-U
EMS: 1950
UN NO. AIR: 2.1
AIR CLASS: #
AIR PACK GR.: #

15 REGULATORY INFORMATION

LABELLING

Harmful
Extremely Flammable

CONTAINS

TOLUENE

RISK PHRASES

R12 Extremely flammable.
R36/38 Irritating to eyes and skin.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R63 Possible risk of harm to the unborn child.
R67 Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

A1 Pressurized 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.
S24/25 Avoid contact with skin and eyes.
S36/37 Wear suitable protective clothing and gloves.
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S38 In case of insufficient ventilation, wear suitable respiratory equipment.

UK REGULATORY REFERENCES
Chemicals (Hazard Information & Packaging) Regulations.
The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

ENVIRONMENTAL LISTING

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.


GUIDANCE NOTES
Workplace Exposure Limits EH40.

16 OTHER INFORMATION

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

ISSUED BY
Helen O'Reilly

REV. NO./REPL. SDS
NOVEMBER 2010
GENERATED
4
SDS NO.
10487

RISK PHRASES IN FULL
R12 Extremely flammable.
R10 Flammable.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R65 Harmful: may cause lung damage if swallowed.
R11 Highly flammable.
R36 Irritating to eyes.
R37 Irritating to respiratory system.
R38 Irritating to skin.
R63 Possible risk of harm to the unborn child.
R66 Repeated exposure may cause skin dryness or cracking.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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.