MATERIAL 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.
HPA200H [EH200H]

APPLICATION
Conformal coating for appliance protection

SUPPLIER
H K WENTWORTH PTY LIMITED
P.O. BOX 339
BROOKVALE, NSW 2100
AUSTRALIA
TEL: 02 9938 1566
FAX: 02 9938 1467

EMERGENCY TELEPHONE
Tel: 029938 1566 between 8.30am and 5.00pm EST

PROPER SHIPPING NAME
AEROSOLS

2 HAZARDS IDENTIFICATION

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.
S38 In case of insufficient ventilation, wear suitable respiratory equipment.

HAZARD ID 2
The above phrases are the risks associated with the product

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.

STATEMENT OF HAZARDOUS NATURE
HAZARDOUS SUBSTANCE (According to criteria of NOHSC). DANGEROUS GOODS (According to ADG Code).

DG CLASS
Class 2: Gases

PACKING GROUP
N/A

UN NO.
1950

3 COMPOSITION/INFORMATION ON INGREDIENTS
HIGH PERFORMANCE ACRYLIC CONFORMAL COATING

<table>
<thead>
<tr>
<th>Name</th>
<th>EC No.</th>
<th>CAS-No.</th>
<th>Content</th>
<th>Classification (NOHSC: 2011)</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 Xn;R48/20,R65 Xi;R38 R67</td>
</tr>
<tr>
<td>METHYL ETHYL KETONE</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>PROPANE</td>
<td>200-827-9</td>
<td>74-98-6</td>
<td>5-10%</td>
<td>F+;R12</td>
</tr>
<tr>
<td>SOLVENT NAPHTHA (petroleum, light )</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 are Displayed in Section 16

COMPOSITION COMMENTS
Ingredients not listed are classified as non-hazardous or at a concentration below reportable levels. Ingredients are registered on AICS

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.

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
HIGH PERFORMANCE ACRYLIC CONFORMAL COATING

<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>ES-TWA</td>
<td>800 ppm</td>
<td>1900 mg/m³</td>
<td></td>
</tr>
<tr>
<td>METHYL ETHYL KETONE</td>
<td>ES-TWA</td>
<td>150 ppm</td>
<td>445 mg/m³</td>
<td></td>
</tr>
<tr>
<td>PROPAINE</td>
<td></td>
<td></td>
<td>Asphyxiating</td>
<td></td>
</tr>
<tr>
<td>TOLUENE</td>
<td>ES-TWA</td>
<td>50 ppm(Sk)</td>
<td>191 mg/m³(Sk)</td>
<td></td>
</tr>
</tbody>
</table>

INGREDIENT COMMENTS
Australian exposure limits are: LT= ES-TWA and ST= ES STEL

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

<table>
<thead>
<tr>
<th>APPEARANCE</th>
<th>COLOUR</th>
<th>ODOR</th>
<th>VOLATILITY DESCRIPTION</th>
<th>SOLUBILITY</th>
<th>RELATIVE DENSITY</th>
<th>FLASH POINT (°C)</th>
<th>VAPOUR PRESSURE</th>
<th>AUTO IGNITION TEMPERATURE (°C)</th>
<th>FLAMMABILITY LIMIT - LOWER(%)</th>
<th>FLAMMABILITY LIMIT - UPPER(%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerosol Liquid</td>
<td>White</td>
<td>Characteristic</td>
<td>Volatile.</td>
<td>Insoluble in water</td>
<td>@ 20 °C (68 F)</td>
<td>&lt;0 (32 F) CC (Closed cup)</td>
<td>0.87 kPa @ 25 °C (77 F)</td>
<td>410/550</td>
<td>1.8</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.
HIGH PERFORMANCE ACRYLIC CONFORMAL COATING

EYE CONTACT
Irritating to eyes.

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

ROUTE OF ENTRY
Inhalation:

<table>
<thead>
<tr>
<th>Name</th>
<th>Toxic Dose 1 - LD 50</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOLUENE</td>
<td>5000 mg/kg (oral rat)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Toxic Dose 1 - LD 50</th>
</tr>
</thead>
<tbody>
<tr>
<td>METHYL ETHYL KETONE</td>
<td>2737 mg/kg (oral rat)</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>LC 50, 96 Hrs, FISH mg/l</th>
<th>EC 50, 48 Hrs, DAPHNIA, mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOLUENE</td>
<td>24</td>
<td>19.6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>LC 50, 96 Hrs, FISH mg/l</th>
<th>EC 50, 48 Hrs, DAPHNIA, mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>METHYL ETHYL KETONE</td>
<td>3200 - 5600</td>
<td>7060</td>
</tr>
</tbody>
</table>

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

PROPER SHIPPING NAME AEROSOLS
UDF Phrase 1 Class 2.1: Flammable gases
Class 2.1: Flammable gases
UN NO. 1950 ADG CLASS NO. 2
DG CLASS Class 2: Gases PACKING GROUP N/A
TUNNEL RESTRICTION CODE (D) ADG LABEL NO. 2.1
UN NO. SEA 1950 IMDG CLASS 2.1
IMDG PACK GR. N/A EMS F-D, S-U
MFAG See Guide MARINE POLLUTANT No.
UN NO. AIR 1950 AIR CLASS 2.1
AIR PACK GR. N/A

15 REGULATORY INFORMATION

LABELLING
Harmful
Contains TOLUENE
Extremely Flammable
HIGH PERFORMANCE ACRYLIC CONFORMAL COATING

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.
- S38 In case of insufficient ventilation, wear suitable respiratory equipment.

POISONS SCHEDULE NUMBER

NONE

NATIONAL REGULATIONS AND REFERENCES

- National Model Regulations for the Control of Workplace Hazardous Substances.
- National Code of Practice for the Control of Workplace Hazardous Substances.
- National Code of Practice for the Labelling of Workplace Substances.
- National Code of Practice for the Preparation of Material Safety Data Sheets.
- Approved Criteria for Classifying Hazardous Substances.
- Exposure Standards for Atmospheric Contaminants in the Occupational Environment.

16 OTHER INFORMATION

ISSUED BY
Helen O'Reilly

REVISION DATE
NOVEMBER 2010

REV. NO./REPL. SDS
4

GENERATED 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.