

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 [EHPA200H]
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 GENERAL MANAGER
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

Name	EC No.	CAS-No.	Content	Classification (NOHSC: 2011)
TOLUENE	203-625-9	108-88-3	30-60%	F;R11 Repr.Cat.3;R63 Xn;R48/20,R65 Xi;R38 R67
METHYL ETHYL KETONE	201-159-0	78-93-3	10-30%	F;R11 Xi;R36 R66 R67
BUTANE	203-448-7	106-97-8	10-30%	F+;R12
PROPANE	200-827-9	74-98-6	5-10%	F+;R12
SOLVENT NAPHTHA (petroleum, light)	265-199-0	64742-95-6	<0.5%	Xn;R65. Xi;R37. N;R51/53. R10.

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

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
BUTANE	ES-TWA	800 ppm	1900 mg/m3			
METHYL ETHYL KETONE	ES-TWA	150 ppm	445 mg/m3	300 ppm	890 mg/m3	
PROPANE			Asphyxiating		Asphyxiating	
TOLUENE	ES-TWA	50 ppm(Sk)	191 mg/m3(Sk)	150 ppm(Sk)	574 mg/m3(Sk)	

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

APPEARANCE	Aerosol Liquid		
COLOUR	White		
ODOUR	Characteristic		
VOLATILITY DESCRIPTION	Volatile.		
SOLUBILITY	Insoluble in water		
RELATIVE DENSITY	@ 20 °c (68 F)	VAPOUR PRESSURE	0.87 kPa @ 25 °c (77 F)
FLASH POINT (°C)	<0 (32 F) CC (Closed cup).	AUTO IGNITION TEMPERATURE (°C)	410/550
FLAMMABILITY LIMIT - LOWER(%)	1.8	FLAMMABILITY LIMIT - UPPER(%)	10

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 / inhaling contents may be lethal

ROUTE OF ENTRY

Inhalation:

Name	TOLUENE
Toxic Dose 1 - LD 50	5000 mg/kg (oral rat)
Name	METHYL ETHYL KETONE
Toxic Dose 1 - LD 50	2737 mg/kg (oral rat)

12 ECOLOGICAL INFORMATION

ECOTOXICITY

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

Name	TOLUENE
LC 50, 96 Hrs, FISH mg/l	24
EC 50, 48 Hrs, DAPHNIA, mg/l	19.6
Name	METHYL ETHYL KETONE
LC 50, 96 Hrs, FISH mg/l	3200 - 5600
EC 50, 48 Hrs, DAPHNIA, mg/l	7060

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



Extremely
Flammable

CONTAINS

TOLUENE

HIGH PERFORMANCE ACRYLIC CONFORMAL COATING

RISK PHRASES

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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.
- Australian Dangerous Goods Code. The Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

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.