

MATERIAL SAFETY DATA SHEET HIGH TEMPERATURE ALUMINIUM PAINT

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

PRODUCT NAME HIGH TEMPERATURE ALUMINIUM PAINT
PRODUCT NO. PAM
EPAM400
ZE
APPLICATION Manufacture of electrical equipment
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 Irritating to eyes.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

S16 Keep away from sources of ignition - No smoking.
S23 Do not breathe vapour/spray.
S25 Avoid contact with eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37 Wear suitable gloves.
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.

The above phrases are the risks associated with the product

ENVIRONMENT

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Use appropriate containment to avoid environmental contamination. Avoid release to the environment. Refer to special instructions/safety data sheets. Dispose of waste and residues in accordance with local authority requirements.

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.

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

Name	EC No.	CAS-No.	Content %	Classification (67/548)
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HIGH TEMPERATURE ALUMINIUM PAINT

ACETONE	200-662-2	67-64-1	30-60%	F;R11 Xi;R36 R66 R67
PROPANE	200-827-9	74-98-6	10-30%	F+;R12
BUTANE	203-448-7	106-97-8	10-30%	F+;R12
XYLENE	215-535-7	1330-20-7	5-10%	R10 Xn;R20/21 Xi;R38
ETHYLBENZENE	202-849-4	100-41-4	1-5%	F;R11 Xn;R20
HYDROCARBON DISTILLATE	265-185-4	64742-82-1	<0.1%	Xn;R65. N;R51/53. R10,R66.

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 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. 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.

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

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

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

STORAGE PRECAUTIONS

Store at moderate temperatures in dry, well ventilated area.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
ACETONE	ES-TWA	500 ppm	1185 mg/m3	1000 ppm	2375 mg/m3	
BUTANE	ES-TWA	800 ppm	1900 mg/m3			
PROPANE			Asphyxiating		Asphyxiating	
XYLENE	ES-TWA	80 ppm	350 mg/m3	150 ppm	655 mg/m3	

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PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

RESPIRATORY EQUIPMENT

Suitable respiratory protection must be used at high concentrations.

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 chemical safety goggles where eye exposure is reasonably 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. Promptly remove any clothing that becomes contaminated. 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
ODOUR	Acetone, ketone.
VOLATILITY DESCRIPTION	Volatile.
SOLUBILITY	Insoluble in water
RELATIVE DENSITY	0.695 @ 20 °C (68 F)
VAPOUR PRESSURE	3.546 kPa
FLASH POINT (°C)	<0 (32 F) CC (Closed cup).
AUTO IGNITION TEMPERATURE (°C)	> 250 (>482 F)
FLAMMABILITY LIMIT - LOWER(%)	1.4
FLAMMABILITY LIMIT - UPPER(%)	18

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.

11 TOXICOLOGICAL INFORMATION

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. Prolonged or repeated exposure may cause severe irritation.

EYE CONTACT

Irritating to eyes.

OTHER HEALTH EFFECTS

This substance has no evidence of carcinogenic properties.

ROUTE OF ENTRY

Inhalation:

Name XYLENE

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Toxic Dose 1 - LD 50	4300 mg/kg (oral rat)
Toxic Dose 2 - LD 50	2000 mg/kg (oral-rbt)
Toxic Conc. - LC 50	22.1 mg/l/4h (inh-rat)
Name	ACETONE
Toxic Dose 1 - LD 50	5800 mg/kg (oral rat)
Toxic Dose 2 - LD 50	20,000 mg/kg (oral-rbt)
Toxic Conc. - LC 50	76 ppm/4h (inh-rat)

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Dangerous for the environment: May cause long-term adverse effects in the aquatic 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
Name	ACETONE
LC 50, 96 Hrs, Fish mg/l	5540
EC 50, 48 Hrs, Daphnia, mg/l	39

Degradability

The product is easily biodegradable.

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
ADG CLASS	Class 2.1: Flammable gases
ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT	No.
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
UN NO. AIR	1950
AIR CLASS	2.1
AIR PACK GR.	N/A

15 REGULATORY INFORMATION

LABELLING

HIGH TEMPERATURE ALUMINIUM PAINT



Irritant



Extremely Flammable

RISK PHRASES

R12	Extremely flammable.
R36	Irritating to eyes.
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R67	Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

S16	Keep away from sources of ignition - No smoking.
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S25	Avoid contact with eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37	Wear suitable gloves.
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A2	Do not spray on a naked flame or any incandescent material.

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

GENERAL INFORMATION

Edit this text

ISSUED BY

Helen O'Reilly

REVISION DATE

NOVEMBER 2010

REV. NO./REPL. SDS

4

GENERATED

SDS NO.

10826

RISK PHRASES IN FULL

R12	Extremely flammable.
R10	Flammable.
R20/21	Harmful by inhalation and in contact with skin.
R20	Harmful by inhalation.
R65	Harmful: may cause lung damage if swallowed.
R11	Highly flammable.
R36	Irritating to eyes.
R38	Irritating to skin.
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.