

SAFETY DATA SHEET

POLYURETHANE COATING

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY:

PRODUCT NAME: POLYURETHANE COATING

PART No.: EMR8008

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

2. COMPOSITION/INFORMATION ON INGREDIENTS:

NAME	EINECS Nr.:	CLASSIFICATION	CONTENT
CAS No.: ETHYL METHYL KETOXIME 96-29-7	202-496-6	Xn R-21, 40, 41, 43 Carc3	1-5 %
HYDROCARBON DISTILLATE 64742-82-1	265-185-4	Xn ,N R-10, 51/53, 65	30-60 %

The Full Text for all R-Phrases are Displayed in Section 16

3. HAZARDS IDENTIFICATION:

Flammable. Limited evidence of a carcinogenic effect. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Carcinogen Category 3.

HAZARDOUS SUBSTANCE: DANGEROUS GOODS

4. FIRST AID MEASURES:

INHALATION: Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION: DO NOT INDUCE VOMITING! If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Rinse mouth thoroughly. Get medical attention.

SKIN: Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if irritation persists after washing.

EYES: 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: Alcohol resistant foam. Powder. Dry chemicals, sand, dolomite etc.

SPECIAL FIRE FIGHTING PROCEDURES:

Move container from fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapours.

6. ACCIDENTAL RELEASE MEASURES:**SPILL CLEANUP METHODS:**

Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers.

7. HANDLING AND STORAGE:**USAGE PRECAUTIONS:**

Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

STORAGE PRECAUTIONS:

Keep in cool, dry, ventilated storage and closed containers. Keep in original container.

STORAGE CRITERIA:

Flammable liquid storage.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:**INGREDIENT COMMENTS:**

OES = Occupational Exposure Standard.

PROTECTIVE EQUIPMENT:**VENTILATION:**

Provide sufficient ventilation during operations which cause vapour formation.

RESPIRATORS:

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL).

PROTECTIVE GLOVES:

Use protective gloves.

EYE PROTECTION:

Wear approved safety goggles.

OTHER PROTECTION:

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

HYGIENIC WORK PRACTICES:

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. No eating or drinking while working with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES:**APPEARANCE:**

Liquid.

COLOUR:

Brown.

ODOUR/TASTE:

Characteristic.

BOILING POINT (°C, interval):

152 - 198

Pressure:**DENSITY/SPECIFIC GRAVITY (g/ml):**

0.920

Temperature (°C):

20

VAPOUR PRESSURE:

0.32 kPa

Temperature (°C):

20

VISCOSITY (interval):

1500 - 2300 KU

Temperature (°C):

25

SOLUBILITY DESCRIPTION:	Immiscible with water.		
FLASH POINT (°C):	38	Method:	CC (Closed cup).
AUTO IGNITION TEMP. (°C):	230		
FLAMMABILITY LIMIT - LOWER(%):	0.9		
FLAMMABILITY LIMIT - UPPER(%):	8		

10. STABILITY AND REACTIVITY:

STABILITY:	Normally stable.
CONDITIONS TO AVOID:	Avoid heat, flames and other sources of ignition.

11. TOXICOLOGICAL INFORMATION:

INHALATION:	Solvent vapours are hazardous and may cause nausea, sickness and headaches. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.
INGESTION:	May cause stomach pain or vomiting.
SKIN:	May cause sensitisation by skin contact. Prolonged or repeated exposure may cause severe irritation.
EYES:	Irritating to eyes.
HEALTH WARNINGS:	Known or suspected carcinogen for humans.
OTHER HEALTH EFFECTS:	Suspect Cancer Hazard.

12. ECOLOGICAL INFORMATION:

ECOLOGICAL INFORMATION:	Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.
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13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHODS:	Dispose of in accordance with Local Authority requirements.
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14. TRANSPORT INFORMATION:

LABEL FOR CONVEYANCE:



UN No. ROAD:	1993
UK ROAD TRANSPORT CLASS:	3
UK ROAD PACK GR.:	III

ADR CLASS No.:	3
ADR CLASS:	Class 3: Flammable liquids.
ADR ITEM No.:	III
ADR LABEL No.:	3
HAZCHEM CODE:	3Y
CEFIC TEC(R) No.:	30GF1-III,30GF1-sp
PROPER SHIPPING NAME I:	FLAMMABLE LIQUID, N.O.S. (HYDROCARBON DISTILLATE)
RID CLASS No.:	3
RID ITEM No.:	III
UN No. SEA:	1993
IMDG CLASS:	3
IMDG PACK GR.:	III
EmS No.:	F-E; S-E
MFAG TABLE No.:	See Guide
MARINE POLLUTANT:	No.
UN No., AIR:	1993
ICAO CLASS:	3
AIR PACK GR.:	III

15. REGULATORY INFORMATION:

LABEL FOR SUPPLY:



RISK PHRASES:	R-10 Flammable. R-40 Limited evidence of a carcinogenic effect. R-43 May cause sensitisation by skin contact. R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
SAFETY PHRASES:	S-36/37 Wear suitable protective clothing and gloves. S-51 Use only in well ventilated areas.
UK REGULATORY REFERENCES:	Petroleum (Consolidation) Act, as amended 1984 SI 1244. Highly Flammable Liquid Regulations 1972. Fire precautions Act 1971. Health and Safety at Work Act 1974. 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. 91\155. Dangerous Substance Directive 67\548. Dangerous Preparations Directive 88\379.
STATUTORY INSTRUMENTS:	Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.
APPROVED CODE OF PRACTICE:	Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations L62.
GUIDANCE NOTES:	Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

16. OTHER INFORMATION:

USER NOTES:	CN No 34039990
REVISION COMMENTS:	Revised in accordance with CHIP3 and EU Directive 1999/45/EC
ISSUED BY:	Helen O'Reilly
REVISION DATE:	MAY 2003
REV. No./REPL. SDS GENERATED:	0
SDS No.:	10944
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 unless specified in the text. The information contained in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for the safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification
R-PHRASES (Full Text):	R-10 Flammable. R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R-65 Harmful: may cause lung damage if swallowed. R-21 Harmful in contact with skin. R-40 Limited evidence of a carcinogenic effect. R-41 Risk of serious damage to eyes. R-43 May cause sensitisation by skin contact.