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## MATERIAL SAFETY DATA SHEET INSULATING VARNISH

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product Name INSULATING VARNISH  
Product No. MR8008, EMR8008, ZE  
Proper Shipping Name PAINT (HYDROCARBON DISTILLATE)

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Application: Resin.  
Uses Advised Against At this moment in time we do not have information on use restrictions. They will be included in this safety data sheet when available

#### 1.3. Details of the supplier of the safety data sheet

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

#### 1.4. Emergency telephone number

Tel: 029938 1566 between 8.30am and 5.00pm EST

National Emergency Telephone Number

Australian National Poison Centre; 13 11 26

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

##### Environment

Toxic 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. Dispose of waste and residues in accordance with local authority requirements.

#### 2.2. Label elements

Contains ETHYL METHYL KETOXIME  
Label In Accordance With (EC) No. 1272/2008



Signal Word Warning

Hazard Statements

H226	Flammable liquid and vapour.
H317	May cause an allergic skin reaction.
H351	Suspected of causing cancer.
H411	Toxic to aquatic life with long lasting effects.

## INSULATING VARNISH

## Precautionary Statements

P281	Use personal protective equipment as required.
P280	Wear protective gloves, eye and face protection.

## Supplementary Precautionary Statements

P210	Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P261	Avoid breathing vapour/spray.
P302+352	IF ON SKIN: Wash with plenty of soap and water.
P333+313	If skin irritation or rash occurs: Get medical advice/attention.

## Supplemental Label Information (EU)

EUH066	Repeated exposure may cause skin dryness or cracking.
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**2.3. Other hazards**

Not Classified as PBT/vPvB by current EU criteria.

## Statement Of Hazardous Nature

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

ADR Class Class 3: Flammable liquids.

ADR Pack Group III

UN No. Road 1263

Emergency Action Code •3Y

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

<b>HYDROCARBON DISTILLATE</b>	<b>30-60%</b>
CAS-No.: 64742-82-1	EC No.: 265-185-4
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548) Xn;R65. N;R51/53. R10,R66.
<b>XYLENE</b>	<b>1-5%</b>
CAS-No.: 1330-20-7	EC No.: 215-535-7
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315	Classification (67/548) R10 Xn;R20/21 Xi;R38
<b>DEAROMATISED KEROSINE</b>	<b>1-5%</b>
CAS-No.: 64742-47-8	EC No.: 265-149-8
Classification (EC 1272/2008) Asp. Tox. 1 - H304	Classification (67/548) Xn;R65.

## INSULATING VARNISH

<b>ETHYL METHYL KETOXIME</b>		1-5%
CAS-No.: 96-29-7	EC No.: 202-496-6	
Classification (EC 1272/2008) Acute Tox. 4 - H312 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Carc. 2 - H351	Classification (67/548) Carc. Cat. 3;R40 Xn;R21 R43 Xi;R41	
<b>BENZENE, C10-13-ALKYL DERIVATIVES</b>		<0.5%
CAS-No.: 67774-74-7	EC No.: 267-051-0	
Classification (EC 1272/2008) Not classified.	Classification (67/548) N;R50.	

The Full Text for all R-Phrases and Hazard Statements 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

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of 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 contact

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.

##### 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.

#### 4.2. Most important symptoms and effects, both acute and delayed

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat Symptomatically.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

##### Extinguishing media

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

#### 5.2. Special hazards arising from the substance or mixture

##### Hazardous Combustion Products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

##### Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

#### 5.3. Advice for firefighters

## INSULATING VARNISH

### 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.

### Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

Emergency Action Code                    •3Y

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

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

### 6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic environment. See section 12 as well. For waste disposal, see section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

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

### 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

#### Storage Class

Flammable liquid storage.

### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
XYLENE	ES-TWA	80 ppm	350 mg/m <sup>3</sup>	150 ppm	655 mg/m <sup>3</sup>	

#### Ingredient Comments

No exposure limits noted for ingredient(s).

### 8.2. Exposure controls

#### Protective equipment



#### Process Conditions

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station.

#### Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

## INSULATING VARNISH

### Respiratory equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. Use respiratory equipment with combination filter, type A2/P3. EN14387

### Hand protection

Protective gloves must be used if there is a risk of direct contact or splash. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Nitrile gloves are recommended. Gloves should conform to EN374

### Eye protection

Wear approved safety goggles. EN166

### Other Protection

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

### Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. When using do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Clear Amber.
Odour	Characteristic.
Solubility	Immiscible with water
Boiling Point (°C)	152 - 198 (305.6 - 388.4F)
Relative density	0.920 @ 20 °c (68F)
Vapour pressure	0.32 kPa @ 20 °c (68F)
Viscosity	1500 - 2300 @ 25 °c (77F)
Flash point (°C)	38 (100.4F) CC (Closed cup).
Auto Ignition Temperature (°C)	230 (446F)
Flammability Limit - Lower(%)	0.9
Flammability Limit - Upper(%)	8

### 9.2. Other information

None.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No specific reactivity hazards associated with this product.

### 10.2. Chemical stability

Stable under normal temperature conditions.

### 10.3. Possibility of hazardous reactions

Not determined.

#### Hazardous Polymerisation

Will not polymerise.

### 10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

### 10.5. Incompatible materials

#### Materials To Avoid

Strong acids. Strong oxidising substances. Strong alkalis.

### 10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

## INSULATING VARNISH

### Other Health Effects

This substance has no evidence of carcinogenic properties.

### Inhalation

Vapours may cause headache, fatigue, dizziness and nausea. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

### Ingestion

May cause stomach pain or vomiting.

### Skin contact

May cause sensitisation by skin contact. Prolonged or repeated exposure may cause severe irritation.

### Eye contact

Irritating to eyes.

#### Toxicological Information on Ingredients:

#### XYLENE (CAS: 1330-20-7)

##### Acute toxicity:

Acute Toxicity (Oral LD50)

3523 mg/kg Rat

Acute Toxicity (Dermal LD50)

12126 mg/kg Rabbit

Acute Toxicity (Inhalation LC50)

2700 mg/l (vapours) Rabbit 4 hours

##### Aspiration Hazard

### Inhalation

Harmful by inhalation. Upper respiratory irritation. Central nervous system depression. Vapours may cause drowsiness and dizziness.

### Ingestion

Swallowing concentrated chemical may cause severe internal injury. May cause nausea, headache, dizziness and intoxication. Diarrhoea.

### Skin contact

Harmful in contact with skin. Irritating to skin.

### Eye contact

May cause severe irritation to eyes.

### Target Organs

Central nervous system Liver Kidneys

#### HYDROCARBON DISTILLATE (CAS: 64742-82-1)

Toxic Dose 1 - LD 50

>5000 mg/kg (oral rat)

Toxic Dose 2 - LD 50

>3000 mg/kg (oral-rbt)

Toxic Conc. - LC 50

>11.6 mg/l/4h (inh-rat)

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

#### Ecological Information on Ingredients:

#### XYLENE (CAS: 1330-20-7)

### Ecotoxicity

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

## INSULATING VARNISH

### 12.1. Toxicity

#### Ecological Information on Ingredients:

##### XYLENE (CAS: 1330-20-7)

###### **Acute Toxicity Aquatic Invertebrates**

EC50 48 hours 1.0 mg/l Daphnia magna

###### **Acute Toxicity - Aquatic Plants**

IC50 72 hours 2.2 mg/l

### 12.2. Persistence and degradability

#### **Degradability**

There are no data on the degradability of this product.

#### Ecological Information on Ingredients:

##### XYLENE (CAS: 1330-20-7)

###### **Degradability**

The product is biodegradable.

### 12.3. Bioaccumulative potential

#### **Bioaccumulative potential**

No data available on bioaccumulation.

#### Ecological Information on Ingredients:

##### XYLENE (CAS: 1330-20-7)

###### **Bioaccumulation factor**

BCF: 25.9

###### **Partition coefficient**

3.2

### 12.4. Mobility in soil

#### Ecological Information on Ingredients:

##### XYLENE (CAS: 1330-20-7)

###### **Mobility:**

The product is insoluble in water.

### 12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB Substances.

#### Ecological Information on Ingredients:

##### XYLENE (CAS: 1330-20-7)

Not Classified as PBT/vPvB by current EU criteria.

### 12.6. Other adverse effects

None known.

#### Ecological Information on Ingredients:

##### XYLENE (CAS: 1330-20-7)

Not determined.

## SECTION 13: DISPOSAL CONSIDERATIONS

#### **General information**

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

## INSULATING VARNISH

## SECTION 14: TRANSPORT INFORMATION

**General** For US Domestic transportation this product is classified as a Consumer Commodity. For International transportation this product is classified as UN1263 PAINT

**14.1. UN number**

UN No. Road 1263  
 UN No. Sea 1263  
 UN No., Air 1263

**14.2. UN proper shipping name**

Proper Shipping Name PAINT (HYDROCARBON DISTILLATE)

**14.3. Transport hazard class(es)**

ADR Class No. 3  
 ADR Class Class 3: Flammable liquids.  
 ADR Label No. 3  
 IMDG Class 3  
 ICAO Class 3

**Transport Labels****14.4. Packing group**

ADR Pack Group III  
 IMDG Pack Gr. III  
 Air Pack Gr. III

**14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant

**14.6. Special precautions for user**

EMS F-E, S-E  
 Emergency Action Code •3Y  
 Tunnel Restriction Code (D/E)

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

No information required.

UDF Phrase 1 Class 3: Flammable liquid

## SECTION 15: REGULATORY INFORMATION

Poisons Schedule Number NONE

## INSULATING VARNISH

### 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).

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### **Authorisations (Title VII Regulation 1907/2006)**

No specific authorisations are noted for this product.

#### **Restrictions (Title VIII Regulation 1907/2006)**

No specific restrictions of use are noted for this product.

### **15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

## SECTION 16: OTHER INFORMATION

**Issued By** Helen O'Reilly

**Revision Date** JULY 2014

**Revision** 5

**SDS No.** 10990

#### **Risk Phrases In Full**

R10	Flammable.
R20/21	Harmful by inhalation and in contact with skin.
R21	Harmful in contact with skin.
R65	Harmful: may cause lung damage if swallowed.
R38	Irritating to skin.
R40	Limited evidence of a carcinogenic effect.
R43	May cause sensitisation by skin contact.
R66	Repeated exposure may cause skin dryness or cracking.
R41	Risk of serious damage to eyes.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R50	Very toxic to aquatic organisms.

#### **Hazard Statements In Full**

H318	Causes serious eye damage.
H315	Causes skin irritation.
H226	Flammable liquid and vapour.
H332	Harmful if inhaled.
H312	Harmful in contact with skin.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
EUH066	Repeated exposure may cause skin dryness or cracking.
H351	Suspected of causing cancer.
H411	Toxic to aquatic life with long lasting effects.

#### 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.

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