

COMPANY:

MACLEOD INDUSTRIES AUSTRALIA PTY LTD

DATE OF ISSUE:

May 2009

PRODUCT NAME:

**SWIFTEPOXY HB, PART A**

THIS PRODUCT IS HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE AUSTRALIA  
**THIS PRODUCT IS USED IN CONJUNCTION WITH SWIFTEPOXY HB, PART B. ENSURE YOU  
 HAVE BOTH MATERIAL SAFETY DATA SHEETS IN YOUR POSSESSION.**

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COMPANY DETAILS:

MACLEOD INDUSTRIES AUSTRALIA P/L  
 ABN 31 072 805 513  
 UNIT 7 / 21 MALVERN STREET BAYSWATER VIC 3153 AUSTRALIA  
 PHONE: +613 9729 7100 OR 1 300 136 949  
 EMERGENCY AFTER HOURS: 0407 553 856  
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## IDENTIFICATION

UN NUMBER: 1263 (PAINT AND PAINT RELATED MATERIAL)  
 DANGEROUS GOODS CLASS: 3.2  
 SUBSIDIARY RISK: NONE  
 HAZCHEM CODE: 3Y  
 PACKAGING GROUP: III  
 POISONS SCHEDULE: 5  
 USE: PART A OF A 2-COMPONENT COATING FOR STEEL AND CONCRETE.

### PHYSICAL DESCRIPTION AND PROPERTIES

APPEARANCE: OPAQUE THIXOTROPIC LIQUID/PASTE, VARIOUS COLOURS.  
 ODOUR: COMBINATION OF HYDROCARBON AND ETHEREAL ODOUR  
 BOILING POINT: OF XYLENE: 137° - 143° C  
 VAPOUR PRESSURE: OF XYLENE: 5.2kPa AT 38°C  
 PERCENT VOLATILE, VOLUME: 8%  
 PERCENT VOLATILE, MASS: 6%  
 SPECIFIC GRAVITY: 1.2 - 1.4  
 FLASH POINT: OF XYLENE 27°C  
 FLAMMABILITY LIMIT: LEL, XYLENE: 1.7% UEL, XYLENE: 7.0%  
 SOLUBILITY IN WATER: XYLENE AND RESIN CONTENT OF THIS PRODUCT ARE IMMISCIBLE WITH WATER

### INGREDIENTS:

CHEMICAL NAME:	CAS NUMBER	MASS PERCENT	CLASSIFICATION/RISK
BISPHENOL A EPOXY RESIN	25068-38-6	25- 30%	Xi; R36/38, R43
BISPHENOL F EPOXY RESIN	55492-52-9	6 - 9%	NOT LISTED NOHSC, TREAT AS BISPHENOL A
C12 - C14 GLYCIDYL ETHER	68609-97-2	6 - 9%	Xi; R43
XYLENE	1330-20-7	LESS THAN 5%	BELOW CUT-OFF VALUE
DIISOBUTYL KETONE	108-83-8	LESS THAN 0.7%	BELOW CUT-OFF VALUE
2-BUTOXYETHANOL	111-76-2	LESS THAN 0.5%	BELOW CUT-OFF VALUE
ETHYLBENZENE	100-41-4	LESS THAN 0.4%	BELOW CUT-OFF VALUE
ETHANOL	64-17-5	LESS THAN 0.2%	NOT LISTED
METHANOL	67-56-1	LESS THAN 0.1%	BELOW CUT-OFF VALUE

OTHER INGREDIENTS NOT HAZARDOUS UNDER WORKSAFE GUIDELINES TO 100%

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## HEALTH HAZARD INFORMATION

THIS PRODUCT IS CLASSIFIED AS HARMFUL (Xi), USING THE APPROPRIATE AUSTRALIAN CRITERIA. MACLEOD INDUSTRIES AUSTRALIA ALSO CHOOSES TO IDENTIFY THIS PRODUCT AS FLAMMABLE, ALTHOUGH IT MAY NOT MEET THE OFFICIAL CRITERIA, IN THE INTERESTS OF SAFETY.

### HEALTH EFFECTS - ACUTE

SWALLOWED: INGESTION WILL CAUSE GASTRIC IRRITATION. ETHANOL, METHANOL, AND SOME OF THE OTHER TRACE SOLVENTS MAY BE ABSORBED IN THE DIGESTIVE SYSTEM.

EYE: IRRITATING TO EYES.

SKIN: IRRITATING TO SKIN.

INHALED: SOME COMPONENTS OF THIS MIXTURE ARE IRRITATING TO MUCOUS MEMBRANES AND RESPIRATORY TRACT. INHALATION OF SIGNIFICANT AMOUNTS OF THE SOLVENTS IN THIS PRODUCT MAY RESULT IN HEADACHES, DIZZINESS, AND POSSIBLE NAUSEA.

### HEALTH EFFECTS - CHRONIC

SWALLOWED: NOT APPLICABLE.

EYE: REPEATED CONTACT WITH EYES MAY RESULT IN PERMANENT DAMAGE.

SKIN: PROLONGED OR REPEATED CONTACT MAY LEAD TO DERMATITIC EFFECTS. LOW WEIGHT EPOXY-FUNCTIONAL RESINS MAY CAUSE SKIN SENSITISATION WITH REPEATED OR PROLONGED CONTACT.

INHALED: INHALATION OF HIGH CONCENTRATIONS OF VAPOUR MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION, LEADING TO LOSS OF COORDINATION, IMPAIRED JUDGEMENT, ETC.

### FIRST AID

SWALLOWED: GIVE WATER OR CITRUS JUICE TO DRINK. DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ASSISTANCE.

EYE: IRRIGATE EYE WITH COPIOUS AMOUNTS OF WATER. HOLD EYE(S) OPEN AND FLUSH WITH WATER FOR 15 MINUTES OR UNTIL IRRITATION CEASES. SEEK IMMEDIATE MEDICAL ASSISTANCE.

SKIN: WASH CONTAMINATED AREA WITH SOAP AND WATER. DO NOT WASH SKIN WITH SOLVENTS. REMOVE CONTAMINATED CLOTHING. IF IRRITATION PERSISTS, SEEK MEDICAL ADVICE.

INHALED: REMOVE VICTIM FROM EXPOSURE. AVOID BECOMING A VICTIM. ENSURE VICTIM HAS A SUPPLY OF FRESH AIR. SEEK MEDICAL ADVICE IF RECOVERY DOES NOT OCCUR.

ADVICE TO MEDICAL PERSONNEL:

NO SPECIFIC ANTIDOTE. TREAT SYMPTOMATICALLY. XYLENE CAN CAUSE DEFATTING OF TISSUES. THIS PRODUCT CONTAINS A LOW PERCENTAGE OF METHANOL. POISONS INFORMATION CENTRES IN EACH STATE CAPITAL CAN PROVIDE ADVICE FOR SCHEDULED POISONS.

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## PRECAUTIONS FOR USE

### EXPOSURE STANDARDS FOR VARIOUS INGREDIENTS

CHEMICAL NAME:	CAS NUMBER	MASS PERCENT	TYPE	VALUE
BISPHENOL A EPOXY RESIN	25068-38-6	25- 30%	NONE ESTABLISHED	
BISPHENOL F EPOXY RESIN	55492-52-9	6 - 9%	NONE ESTABLISHED	
C12 - C14 GLYCIDYL ETHER	68609-97-2	6 - 9%	NONE ESTABLISHED	
XYLENE	1330-20-7	LESS THAN 5%	TWA	350 mg/m3
DIISOBUTYL KETONE	108-83-8	LESS THAN 0.7%	TLV	290 mg/m3
2-BUTOXYETHANOL	111-76-2	LESS THAN 0.5%	TWA	121 mg/m3
ETHYLBENZENE	100-41-4	LESS THAN 0.4%	TLV	435 mg/m3
ETHANOL	64-17-5	LESS THAN 0.2%	TLV	1900 mg/m3
METHANOL	67-56-1	LESS THAN 0.1%	TLV	260 mg/m3

### ENGINEERING CONTROLS

THE WORKPLACE OR SITE WHERE THIS PRODUCT AND ITS HARDENER AND SOLVENT ARE BEING USED, SHOULD BE VENTILATED SUFFICIENTLY TO ENSURE THAT EXPOSURE TO THE CHEMICAL ENTITIES IN THIS PRODUCT ARE BELOW THE APPROPRIATE LIMITS.

ENSURE AIRFLOW WHERE THIS PRODUCT IS BEING USED. WHERE SUFFICIENT AIRFLOW DOES NOT EXIST, USE APPROPRIATE PERSONAL PROTECTION, AS INSTRUCTED.

IF FULLY CURED EPOXY COATING MADE FROM THIS PRODUCT IS CUT OR ABRADED, PLEASE ENSURE THAT CARE IS TAKEN TO AVOID ANY RESIRABLE OR INSPIRABLE DUST CREATED.

### PERSONAL PROTECTION

AVOID CONTACT WITH EYES. AVOID REPEATED OR PROLONGED SKIN CONTACT. THE HARDENER TO BE USED IN CONJUNCTION WITH THIS PRODUCT IS A CORROSIVE AND EXTRA CARE SHOULD BE TAKEN IN HANDLING THE HARDENER.

SOLVENT RESISTANT GLOVES SHOULD BE USED (TREATED NITRILE OR PVC).

OVERALLS SHOULD BE WORN.

CHEMICALLY RESISTANT GOGGLES, SAFETY GLASSES, OR A FACE SHIELD SHOULD BE USED.

IF AIRFLOW IS NOT SUFFICIENT TO KEEP EXPOSURE BELOW APPROPRIATE LIMITS, PLEASE USE A CARTRIDGE FILTER MASK SUITABLE FOR ORGANIC VAPOURS AND PARTICULATE MATTER. IN EXTREME CASES, AN AIR-FED HELMET SHOULD BE USED.

DO NOT APPLY THIS PRODUCT IF YOU HAVE BECOME SENSITIZED TO THE CHEMICAL ENTITIES LISTED IN THIS PUBLICATION OR THE MATERIAL SAFETY DATA SHEET FOR THE HARDENER TO BE USED WITH THIS PRODUCT.

PERSONS WITH ASTHMA, BRONCHITIS, OR OTHER LUNG COMPLAINTS SHOULD AVOID THIS AND OTHER INDUSTRIAL COATINGS WHICH MAY TRIGGER AN ATTACK.

IT IS RECOMMENDED THAT USERS OF THIS PRODUCT AND OTHER INDUSTRIAL COATINGS BECOME CONVERSANT WITH AUSTRALIAN STANDARDS FOR PERSONAL PROTECTIVE EQUIPMENT: (AS 1336, 1337, 1715, 1716, 2161, 2919, AND 3765)

DO NOT SMOKE WHILE USING THIS PRODUCT. WHILE USING THIS PRODUCT, WASH HANDS THOROUGHLY BEFORE EATING, SMOKING, OR USING TOILET FACILITIES. CLEAN CONTAMINATED CLOTHING OR PERSONAL PROTECTIVE EQUIPMENT BEFORE REUSING. CONSIDER THE USE OF AN INDUSTRIAL LAUNDRY SPECIALIZING IN TWO-COMPONENT COATINGS.

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### PRECAUTIONS FOR USE, CONTINUED

#### FLAMMABILITY

THIS PRODUCT IS FLAMMABLE.

DO NOT USE OR STORE IN THE PRESENCE OF HEAT, NAKED FLAMES, SPARKS, OR OXIDIZING MATERIALS. TAKE PRECAUTIONS AGAINST DISCHARGES OF STATIC ELECTRICITY. DO NOT ALLOW EXPLOSIVE VAPOUR TO BUILD UP. UTILIZE ADEQUATE VENTILATION.

#### RISK PHRASES

R36/38: IRRITATING TO EYES AND SKIN

R43: MAY CAUSE SENSITISATION BY SKIN CONTACT.

R10: FLAMMABLE

R 52: HARMFUL TO AQUATIC ORGANISMS.

#### SAFE HANDLING

STORAGE/TRANSPORT

CLASSIFIED AS A DANGEROUS GOOD, CLASS 3.2, PACKAGING GROUP III, FOR TRANSPORT PURPOSES.

STORE IN A WELL-VENTILATED STOREROOM AWAY FROM IGNITION SOURCES.

DO NOT STORE NEAR OXIDIZING AGENTS. DO NOT STORE NEAR FOODSTUFFS.

STORE IN A DRY LOCATION BETWEEN 5° - 30° C. KEEP OUT OF REACH OF CHILDREN.

HAZCHEM 3Y

#### SPILLS AND DISPOSAL

ENSURE THERE IS NO SOURCE OF IGNITION. WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT. CONTAIN THE SPILL WITH SAND, EARTH, OR OTHER ABSORBENT MATERIAL. PLACE THIS ABSORBENT MATERIAL IN A SEALED CONTAINER AND CONSULT A QUALIFIED HAZARDOUS GOODS DISPOSAL COMPANY FOR DISPOSAL WHICH CONFORMS TO THE RELEVANT STATE AND COMMONWEALTH REGULATION. DO NOT ALLOW THIS PRODUCT TO ENTER THE WATERWAYS.

#### FIRE/EXPLOSION HAZARDS

THIS PRODUCT IS A FLAMMABLE LIQUID. COMBUSTION OF THIS PRODUCT PRODUCES OXIDES OF CARBON AND NITROGEN. OTHER TOXIC GASES/VAPOURS MAY ALSO BE CREATED.

USE SELF-CONTAINED BREATHING APPARATUS AND FULL BODY PROTECTIVE CLOTHING.

SOME OF THE SOLVENTS IN THIS PRODUCT CAN FORM EXPLOSIVE VAPOURS.

USE FOAM, DRY CHEMICAL, OR CO<sub>2</sub> AS EXTINGUISHING MEDIA.

THIS PRODUCT MAY REACT WITH STRONG OXIDIZING AGENTS.

#### ENVIRONMENTAL

SOME COMPONENTS OF THIS PRODUCT ARE CONSIDERED A HAZARD TO AQUATIC LIFE. DO NOT ALLOW THIS PRODUCT OR ITS HARDENER TO ENTER WATERWAYS. FULLY CURED AND DRIED PRODUCT IS NOT BIOLOGICALLY AVAILABLE. LOW MOLECULAR WEIGHT EPOXY-FUNCTIONAL RESINS ARE BIOAVAILABLE AND SHOULD NEVER BE ALLOWED TO ENTER THE WATERWAYS. THE HARDENER USED WITH THIS PRODUCT IS A CORROSIVE. THE HARDENER SHOULD BE RESEALED AFTER USE. MACLEOD INDUSTRIES AUSTRALIA WILL ACCEPT PACKAGING FOR ANY OF ITS PRODUCTS FOR SAFE DISPOSAL. IF THIS IS NOT PRACTICABLE, PLEASE CONTACT YOUR COUNCIL OR AN INDUSTRIAL WASTE DISPOSAL COMPANY FOR APPROPRIATE INFORMATION. THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF AS HAZARDOUS WASTE.

#### AUTHOR'S STATEMENT

THIS MSDS IS OFFERED IN GOOD FAITH, AND REPRESENTS THE BEST KNOWLEDGE AVAILABLE TO THE AUTHOR AS TO THE APPROPRIATE HEALTH AND SAFETY ISSUES PERTAINING TO THIS PRODUCT. THE USER SHOULD READ THIS MSDS AND THE MSDS FOR PART B TO BE USED WITH THIS PRODUCT AND RELATE IT TO HOW HE/SHE WILL BE USING THE PRODUCT. SOME RISK OR SAFETY PHRASES HAVE BEEN USED WHERE THEY MAY NOT HAVE BEEN MANDATED BY REGULATION, BUT WHERE THE AUTHOR BELIEVES THAT PROVIDING THOSE RISK OR SAFETY PHRASES IS IN THE INTEREST OF THE USER.

AUTHOR: MIKE FINKE