

COMPANY: MACLEOD INDUSTRIES AUSTRALIA PTY LTD

DATE OF ISSUE:
May 2009PRODUCT NAME: **SWIFTEPOXY HB, PART B**

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

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
FAX: +613 9729 7400

IDENTIFICATION

UN NUMBER: 1263 (PAINT AND PAINT RELATED MATERIAL)
DANGEROUS GOODS CLASS: 3.2
SUBSIDIARY RISK: 8
HAZCHEM CODE: 3W
PACKAGING GROUP: III
POISONS SCHEDULE: 5
USE: PART B OF A 2-COMPONENT COATING FOR STEEL AND CONCRETE.

PHYSICAL DESCRIPTION AND PROPERTIES

APPEARANCE: PHASED LIQUID, DARK YELLOW BAND ON TOP OF CLEAR LIQUID.
ODOUR: AMINE ODOUR
BOILING POINT: 80° C
VAPOUR PRESSURE: 0.6kPa AT 20° C
SPECIFIC GRAVITY: 1.0
FLASH POINT: 35° C
pH: APPROXIMATELY 11 (1:1 WITH WATER)
SOLUBILITY IN WATER: PARTIALLY SOLUBLE IN WATER

INGREDIENTS:

CHEMICAL NAME:	CAS NUMBER	MASS PERCENT	CLASSIFICATION/RISK
BENZYL ALCOHOL	100-51-6	20 - 40%	Xn; R20/22
ISOPHORONEDIAMINE	2855-13-2	APPROX 18%	NOT LISTED NOHSC
ETHANOL	64-17-5	3 - 5%	F, R11
4-NONYL PHENOL	25154-52-3	LESS THAN 3%	NOT LISTED NOHSC
2, 4, 6-TRIS(DIMETHYL-AMINOMETHYL)PHENOL	90-72-2	LESS THAN 2%	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 (Xn), USING THE APPROPRIATE AUSTRALIAN CRITERIA.
THIS PRODUCT IS FLAMMABLE AND CORROSIVE.

HEALTH EFFECTS - ACUTE

SWALLOWED: MAY CAUSE VOMITING. MAY CAUSE NAUSEA. LARGE AMOUNTS MAY CAUSE
BURNS TO LIPS, MOUTH, AND ESOPHAGUS.

EYE: CORROSIVE TO EYES, MAY CAUSE CORNEAL BURNS OR OEDEMA.

SKIN: CORROSIVE TO SKIN. MAY CAUSE SKIN BURNS. MAY CAUSE SKIN
SENSITISATION.

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 OR PROLONGED CONTACT WITH EYES MAY RESULT IN PERMANENT
DAMAGE.

SKIN: PROLONGED OR REPEATED CONTACT MAY LEAD TO DERMATITIC EFFECTS. THIS
PRODUCT IS A SKIN SENSITISER.

INHALED: INHALATION OF HIGH CONCENTRATIONS OF VAPOUR OVER A PERIOD OF TIME
MAY CAUSE DAMAGE TO THE RESPIRATORY TRACT.

FIRST AID

SWALLOWED: GIVE PLENTY WATER TO DRINK. DO NOT INDUCE VOMITING.
SEEK IMMEDIATE MEDICAL ASSISTANCE. ADMINISTER ACTIVATED CHARCOAL
SLURRY, IF AVAILABLE. IF VICTIM VOMITS, ENSURE AIRWAY IS NOT
OBSTRUCTED. ADMINISTER OXYGEN OR ARTIFICIAL RESPIRATION, IF NEEDED.

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, OR IF VICTIM FEELS UNWELL, SEEK MEDICAL ADVICE.

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

ADVICE TO MEDICAL PERSONNEL: NO SPECIFIC ANTIDOTE. TREAT SYMPTOMATICALLY. THIS
PRODUCT IS A CORROSIVE ALKALINE. 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
BENZYL ALCOHOL	100-51-6	20 - 40%	NONE ESTABLISHED	
ISOPHORONEDIAMINE	2855-13-2	APPROX 18%	NONE ESTABLISHED	
ETHANOL	64-17-5	3 - 5%	TLV	1900mg/m3
4-NONYL PHENOL	25154-52-3	LESS THAN 3%	NONE ESTABLISHED	
2, 4, 6-TRIS(DIMETHYL-AMINOMETHYL)PHENOL	90-72-2	LESS THAN 2%	NONE ESTABLISHED	

OTHER INGREDIENTS NOT HAZARDOUS UNDER WORKSAFE GUIDELINES TO 100%

AS A NUMBER OF THE CHEMICAL ENTITIES HAVE NO TLV OR TWA APPROVED BY NOHSC, IT IS RECOMMENDED THAT CARE BE TAKEN WITH EXPOSURE. PLEASE FOLLOW ALL RECOMMENDED PROCEDURES FOR PERSONAL PROTECTION.

ENGINEERING CONTROLS

THE WORKPLACE OR SITE WHERE THIS PRODUCT AND ITS RESIN 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 SKIN CONTACT. AVOID CONTACT WITH CLOTHING.

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 EPOXY RESIN 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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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.

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PRECAUTIONS FOR USE, CONTINUED

RISK PHRASES

R20/22: HARMFUL BY INHALATION AND IF SWALLOWED.
R43: MAY CAUSE SENSITISATION BY SKIN CONTACT.
R11: HIGHLY FLAMMABLE

SAFE HANDLING

STORAGE/TRANSPORT

CLASSIFIED AS A DANGEROUS GOOD, CLASS 3.2, SUBSIDIARY RISK 8, PACKAGING GROUP III, FOR TRANSPORT PURPOSES.

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

DO NOT STORE NEAR OXIDIZING AGENTS, STRONG ACIDS, OR STRONG BASES. DO NOT STORE NEAR FOODSTUFFS.

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

HAZCHEM CODE 3X

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 HIGHLY 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, CO₂, OR WATER SPRAY 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 OR SUBSOIL. FULLY CURED AND DRIED PRODUCT IS NOT BIOLOGICALLY AVAILABLE. . THE EPOXY RESIN USED IN CONJUNCTION WITH THIS PRODUCT IS A INJURIOUS TO AQUATIC LIFE IN ITS UNCURED STATE. THIS CONTAINER THIS PRODUCT IS SHIPPED IN 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 A 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