

Infosafe No™ LPXJK

Issue Date : August 2008

ISSUED by PARCHEMN

Product Name : **MASTERSHIELD M90 MV BASE**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name MASTERSHIELD M90 MV BASE

Company Name Parchem Construction Supplies Pty Ltd (ABN 80 069 961 968)

Address 7 Lucca Road Wyong
NSW 2259 Australia

Emergency Tel. 0800 154 666 (available 24/7)

Telephone/Fax Number Tel: 02 4350 5000
Fax: 02 4351 2024

Recommended Use Medium viscosity base component of epoxy floor coating system.

Other Information Distributed in New Zealand by:
Concrete Plus
23 Watts Road
Sockburn
New Zealand
Tel: (03) 343 0090
Fax: (03) 343 0202

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Parchem Construction Supplies Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.

www.parchem.co.nz

2. HAZARDS IDENTIFICATION

Hazard Classification New Zealand:
Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.
Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2007 Transport of Dangerous Goods on Land.

HSNO Classification:

- 6.3A - Substance that is irritating to the skin.
- 6.4A - Substance that is irritating to the eye.
- 6.5B - Substance that is a contact sensitiser.
- 6.9B - Substance that is harmful to human target organs or systems.
- 9.1B - Substance that is ecotoxic in the aquatic environment.

Hazard Statement Codes:

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H371 May cause damage to organs
- H411 Toxic to aquatic life with long lasting effects.

Precautionary Statement Codes- Prevention:

- P103 Read label before use. - This statement applies only where the substance is available to the general public.
- P104 Read Safety Data Sheet before use.
- P260 Do not breathe vapours.
- P264 Wash skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P272 Contaminated work clothing should not be allowed out of the workplace.

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P273 Avoid release to the environment. - This statement does not apply where this is the intended use.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statement Codes- Response:

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P309+P311 If exposed or if you feel unwell: Call a POISON CENTRE or doctor/physician.

P362 Take off contaminated clothing and wash before re-use.

P391 Collect spillage.

Precautionary Statement Codes - Storage:

P405 Store locked up.

Precautionary Statement Codes - Disposal:

P501 In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Bisphenol A epoxy resin	25068-38-6	60-90 %
	C12-C14 Glycidyl ether	68609-97-2	10-30 %
	Ingredients determined not to be hazardous		To 100%
	Fumed silica	112945-52-5	0-5 %

4. FIRST AID MEASURES

Inhalation	Remove the source of contamination or move the victim to fresh air. Keep at rest and warm. If symptoms persist seek medical attention.
Ingestion	Do NOT induce vomiting. Wash out mouth with water. Seek medical attention.
Skin	Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. Seek medical attention.
Eye	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Take care not to rinse contaminated water into the non-affected eye. Seek medical attention.
First Aid Facilities	Eye wash and normal washroom facilities.
Advice to Doctor	Treat symptomatically.
Other Information	For advice in an emergency, contact a Poisons Information Centre (Phone New Zealand 0800 764 766) or a doctor at once.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Use carbon dioxide, dry chemical, foam, water fog or water spray.
Hazards from Combustion Products	Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.
Specific Hazards	Combustible liquid. This product will readily burn under fire conditions.
Hazchem Code	2X

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Precautions in connection with Fire Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode. Water spray may be used to keep fire exposed containers cool.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures Wear appropriate personal protective equipment and clothing to prevent inhalation and eye exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. Collect the material and transfer into suitable labelled containers for subsequent recycling or disposal. If contamination of sewers or waterways occurs inform the local water authorities and EPA in accordance with local regulations. Dispose of waste according to applicable local and national regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling Use in a well ventilated area. Do not generate vapours or mists in the work atmosphere. Keep containers closed when not in use. Wear appropriate protective equipment to prevent inhalation, skin and eye contact. Practice good personal hygiene, that is, always wash hands after handling the product, and before eating, drinking, smoking or using the toilet facilities.

Conditions for Safe Storage Store in a cool, dry well-ventilated area away from heat, sources of ignition, oxidising agents, foodstuffs, and clothing and out of direct sunlight. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks.

Storage Regulations Classified as a Class C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS1940. This product should be stored and used in a well ventilated area away from naked flames, sparks and other sources of ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards No exposure standards have been established for the mixture by the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, over-exposure to some industrial chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels.

The available exposure standards for ingredients are stated below:

Substance	TWA		STEL		Notice
	ppm	mg/m ³	ppm	mg/m ³	
Fumed silica	-	2	-	-	Respirable dust

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

Biological Limit Values No biological limit allocated.

Engineering Controls Provide sufficient ventilation to keep airborne levels as low as possible. Where natural ventilation is inadequate, a local exhaust ventilation system, drawing vapours/mists away from workers' breathing zone, is required.

Respiratory Protection If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable organic vapour/mist filter should be used. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

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Body Protection Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Pale yellow, medium viscosity liquid with a very mild odour.

Melting Point Not available

Boiling Point >200°C

Solubility in Water Insoluble

Specific Gravity 1.17 at 23°C

pH Value Not available

Vapour Pressure Not available

Vapour Density Not available

(Air=1)

Flash Point >150°C (Closed Cup)

Flammability Combustible liquid.

Auto-Ignition Not available

Temperature

Flammable Limits - Not available

Lower

Flammable Limits - Not available

Upper

10. STABILITY AND REACTIVITY

Chemical Stability Stable under normal conditions of handling and storage.

Conditions to Avoid Heat, flames and other ignition sources.

Incompatible Strong oxidising agents, strong acids, strong bases and amines.

Materials

Hazardous Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

Decomposition

Products

Hazardous Will not occur.

Polymerization

11. TOXICOLOGICAL INFORMATION

Toxicology No toxicology data available for this product.

Information

Inhalation Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

Ingestion Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

Skin Irritating to skin resulting in redness and itching. This product may cause sensitisation by skin contact in some individuals.

Eye Irritating to eyes. On eye contact this product will cause tearing, stinging, blurred vision, and redness.

Chronic Effects Prolonged or repeated skin contact may lead to allergic contact dermatitis and sensitisation in some individuals.

12. ECOLOGICAL INFORMATION

Ecotoxicity Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Persistence / Not available

Degradability

Mobility Not available

Bioaccumulative Not available

Potential



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Environ. Protection Do not discharge the product into drains, waterways or sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

14. TRANSPORT INFORMATION

Transport Information Road and Rail Transport:
This material is classified as a Class 9 - Miscellaneous Substance according to NZS 5433:2007 Transport of Dangerous Goods on Land.
It must not be loaded in the same freight container or on the same vehicle with:

- Class 1, Explosives
 - Goods of packing group II or III may be loaded in the same freight container or on the same vehicle if transported in segregation devices with:
(Note 3; Segregation devices may be used as to segregate dangerous goods of Class 9 when the nature of those dangerous goods requires them to be segregated from dangerous goods of);
 - Class 3, Flammable liquids
 - Class 4.1, Flammable solids
 - Class 4.2, Spontaneously combustible substances
 - Class 4.3, Dangerous when wet substances
 - Class 5.1, Oxidising substances
 - Class 5.2, Organic peroxides
 - Class 6.1, Toxic substances
 - Class 6.2, Infectious substances
 - Class 8, Corrosive substances
- And are incompatible with food and food packaging in any quantity.

Marine Transport (IMO/IMDG):
Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
UN No.: 3082
Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS BISPHENOL A EPOXY RESIN)
DG Class: 9
Packaging Group: III
EMS No.: F-A, S-F
IMDG Marine Pollutant: No

Air Transport (ICAO/IATA):
Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.
UN No: 3082
Proper Shipping Name: : Environmentally hazardous substance, liquid, n.o.s. (Contains Bisphenol A Epoxy Resin)
Class: 9
Packaging Group: III
Label: Miscellaneous
Packing Instruction: 914 (For passenger and cargo aircraft)
Packing Instruction: 914 (For cargo aircraft only)
3082

U.N. Number
Proper Shipping Name
DG Class
Hazchem Code
Packaging Method
Packing Group
EPG Number
IERG Number

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. - (CONTAINS BISPHENOL A EPOXY RESIN)
9
2X
3.8.9
III
9C1
47



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15. REGULATORY INFORMATION

Regulatory Information	New Zealand: Classified as Hazardous according to the Hazardous Substances (Minimum degrees of hazard) Regulations 2001. Group Standard: Surface Coatings and Colourants (Subsidiary Hazard) Group Standard 2006 HSNO Approval Number: HSR002670.
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16. OTHER INFORMATION

Date of preparation or last revision of MSDS	MSDS Created: August 2008
Contact Person/Point	Technical Support: 1800 812 864 ...End Of MSDS...

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