

PART A

MATERIAL SAFETY DATA SHEET

The information contained within this MSDS details health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user of this product should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Gripset Industries Pty Ltd. Gripset Industries Pty Ltd makes no representation as to the completeness and accuracy of the data contained in this data sheet. It is the user's obligation to evaluate and use this product safely, and to comply with all relevant Federal, State and Local Government laws and regulations. Gripset Industries Pty Ltd shall not be responsible for loss, damage or injury resulting from reliance upon or failure to adhere to any recommendation or information contained herein, from abnormal use of the material, or any hazard inherent in the nature of the material.

STATEMENT OF HAZARDOUS NATURE

Classified as hazardous according to criteria of NOHSC & Worksafe Australia. Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods. Code for transport by Road & Rail.

COMPANY DETAILS

Company	: Gripset Industries Pty Ltd A.C.N. 137 930 093
Address	: 30-32 Park Avenue, Woodville North SA 5012, Australia
Telephone numbers	: +61 (8) 8124-7300 or 1800 650 435
Facsimile number	: +61 (8) 8124-7350

IDENTIFICATION

Product Name	: Gripset E60 Part A
Other Names	: None
Manufacturer's Product Code	: GSE60 Part A
UN Number	: None assigned
Dangerous Goods Class	: None assigned
Subsidiary Risk	: None assigned
Shipping Name	: None assigned
Hazchem Code	: None assigned
Poisons Schedule Number	: None assigned

Use

Major recommended uses	: Used as the epoxy resin in 2-Pack Epoxy coatings for concrete substrates
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Physical Description / Properties

Appearance	: Grey thixotropic liquid
Odour	: Mild
Boiling Point (°C)	: 100°C approx. (water)
Vapour Pressure	: As for water
Specific Gravity	: 1.2 (water = 1)
Flashpoint (°C)	: Not Applicable
Flammability Limits	: Not Applicable
pH	: 8-9
Solubility in Water	: Completely miscible
VOC levels	: Zero

Other Properties

Evaporation Rate	: Not applicable
Form	: Liquid
Hazardous Polymerisation	: Decomposition products depend upon temperature, air supply and presence of other materials. Gases are released during decomposition. Hazardous decomposition products include carbon monoxide, phenolics and water

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Ingredients

Chemical Name:	CAS Number:	Proportion:
Bisphenol-A Epichlorhydrin; Xi: R36/38, R43 N: R51/53	025085-99-8	10-30%
Aromatic Glycidyl Ether; Xi: R38, R43, R68 N: R51/53	2210-79-9	<10%

* Other ingredients determined not to be hazardous, including water, to 100%.

HEALTH HAZARD INFORMATION

Health Effects

Acute:

Swallowed	: No emergency medical treatment necessary.
Eye	: May be an eye irritant.
Skin	: Prolonged or repeated contact with skin will result in skin irritation.
Inhaled	: Excessive exposure to odours may cause slight irritation to eyes, nose and throat. Wear appropriate respirator when ventilation is inadequate.

Chronic:

: Principal routes of exposure are by accidental skin and eye contact and by inhalation of vapours especially at higher temperatures. As with any chemical product, contact with unprotected bare skin; inhalation of vapour, mist or dust in work place atmosphere; or ingestion in any form, should be avoided by observing good occupational work practice.

First Aid

Swallowed	: Give plenty of water. Do not induce vomiting. Seek medical assistance if symptoms persist.
Eye	: Immediately flush with large amounts of water for at 5-10 minutes; lifting upper and lower lids. Seek medical attention if irritation persists.
Skin	: Wash with water and soap. Seek medical attention if irritation persists.
Inhaled	: If affected, move subject to fresh air. Seek medical assistance if symptoms persist.
First Aid Facilities	: Ensure availability of eye wash fountains and/or water access.
Advice to Doctor	: Treat symptomatically.

PRECAUTIONS FOR USE

Exposure Standards

No exposure limits set by NOHSC

Engineering Controls

: General ventilation is recommended during normal use. Local ventilation may be required during certain operations to prevent inhalation of vapours. Provide readily accessible eye wash stations and safety showers. Use under well ventilated condition. Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits. If used indoors, open all windows and doors. Seal containers closed when not in use.

Personal Protection

Respirator Type (AS/NZS 1716)	: Where concentrations in air may exceed the recommended exposure limits, or work practice or other means of exposure reduction are not adequate, approved respirator may be necessary to prevent overexposure by inhalation.
Glove Type	: Neoprene/rubber gloves.
Eye Protection	: Safety glasses as appropriate.
Clothing	: Protective clothing to cover body parts, e.g. long sleeved overalls or similar; and boots.
Other	: Wash hands before smoking, eating, drinking or using the toilet and after finishing work. Observe the usual precautions when handling chemicals.

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Flammability

Fire Hazards : Product is non flammable according to the Australian Code for the Transport of Dangerous Goods. However, dried film will burn in a general fire.

SAFE HANDLING INFORMATION

Storage & Transport

Location	:	Store in a cool area to prolong storage life.
Temperature Conditions	:	Best stored at room temperature; Prevent from freezing.
Protection from Weather	:	Store undercover and away from heat sources.
Storage Incompatibilities	:	Not applicable.
Transport Information	:	<p>Road and Rail Transport: Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.</p> <p>Marine Transport: Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.</p> <p>Air Transport: Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.</p>

Spills & Disposal

Clean Up Spills / Leaks	:	<p>Small spills: Wipe up and wash area with water.</p> <p>Large spills: Dike and contain spill with sand or earth.</p> <p>Do not contaminate streams, rivers, or water courses. Do not flush down drains and sewers. Inform local authority if liquid enters drains, sewers, streams, etc. Clean up before the material dries. Absorb the liquid with sand, earth or other absorbent. Place used absorbent in suitable, sealable labelled containers.</p>
Disposal	:	Dispose of in accordance with Local, State and Federal regulations.
Precautions for Clean Up Crew	:	Nitrile rubber or PVC gloves.

Fire / Explosion Hazard

Hazard of Use / Storage	:	Product will not support combustion.
List of Dangerous Decomposition or Combustion Products	:	Incomplete combustion may form carbon monoxide, carbon dioxide and phenolics.
Types of Extinguisher	:	Water, Foam, CO ₂ and Dry Chemical.
Precautions	:	Do not use direct water stream as may spread fire. Water spray may be used to keep fire exposed containers cool. Fire fighters should wear self-contained breathing apparatus.
Protective Clothing	:	None
Reactivity	:	None

OTHER INFORMATION

Ecology	:	Avoid contaminating waterways and sewers.
Packaging & Labelling	:	In 5 litre & 10L litre pails

CONTACT POINT

Gripset Technical Department	:	+61 (8) 8124-7300 or 1800 650 435
Australia Poisons Information Centre	:	13 11 26
Police & Fire Brigade:	:	000