

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

Not classified as hazardous according to criteria of Worksafe Australia.

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 GP |
| Other Names | : None |
| Manufacturer's Product Code | : GSGP |
| 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 | : Primer coat and bonding agent |
|------------------------|---------------------------------|

Physical Description / Properties

| | |
|---------------------|--|
| Appearance | : Wet – white milky liquid; Dry – clear film |
| Boiling Point (°C) | : 100°C approx. (water) |
| Vapour Pressure | : As for water |
| Specific Gravity | : 1.01 – 1.05 (water = 1) |
| Flashpoint (°C) | : Not Applicable |
| Flammability Limits | : Not Applicable |
| Solubility in Water | : Completely miscible |

Other Properties

| | |
|--------------------------|-----------------------------------|
| Evaporation Rate | : Slower than butyl acetate |
| Vapour Density | : Heavier than air |
| Form | : Liquid |
| Stability | : Considered Stable |
| Hazardous Polymerisation | : Will not occur |
| Materials to avoid | : Strong acids & oxidizing agents |

Ingredients

| Chemical Name: | CAS Number: | Proportion: |
|----------------------------------|-------------|----------------|
| Alkyl acrylate-styrene copolymer | - | 30.00 – 60.00% |
| Sodium hydroxide | 1310-73-2 | 0 – 0.20% |
| Styrene | 100-42-5 | 0 – 0.10% |

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

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HEALTH HAZARD INFORMATION

Health Effects

Acute:

| | |
|-----------|---|
| Swallowed | : No data supplied, but polymer is not expected to be harmful. |
| Eye | : May be an eye irritant. |
| Skin | : Prolonged or repeated contact with skin may result in slight skin irritation. |
| Inhaled | : Excessive exposure to vapours or spray mist may cause slight irritation to eyes, nose and throat. |

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. Seek medical assistance. |
| 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

As established by the NOHSC

| Name: | STL: | | TWA: | |
|------------------|-------------------|-----|-------------------|-----|
| | mg/m ³ | ppm | mg/m ³ | ppm |
| Sodium hydroxide | - | - | 2 | - |
| Styrene | 426 | 100 | 213 | 50 |

* Other Exposure information: Exposure standards not established for product, or other ingredients.

Engineering Controls

: General ventilation is recommended during normal use. Local ventilation may be required during certain operations to prevent inhalation of vapours.

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. |

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.

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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. |

Spills & Disposal

| | |
|-------------------------------|--|
| Clean Up Spills / Leaks | : <i>Small spills:</i> Wipe up and wash area with water. <i>Large spills:</i> Dike and contain spill with sand or earth. 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. |
| 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. Polymer will burn in a general fire, once all the water has been driven off. |
| List of Dangerous Decomposition or Combustion Products | : Carbon monoxide, carbon dioxide, oxides of nitrogen, fumes and smoke. |
| Types of Extinguisher | : Water, Foam, CO ₂ and Dry Chemical. |
| Precautions | : 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 & 15 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 |