



# 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. 094 789 929  
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## IDENTIFICATION

Product Name : **Gripset DG**  
Other Names : None  
Manufacturer's Product Code : GSDG  
UN Number : None assigned  
Dangerous Goods Class : None assigned  
Subsidiary Risk : None assigned  
Shipping Name : None assigned  
Hazchem Code : None assigned  
Poisons Schedule Number : AS5, NZS4

## Use

Major recommended uses : Surface degreasing and cleaning solution.

## Physical Description / Properties

Appearance : Red alkaline liquid with a mild solvent odour; mixes with water.  
Boiling Point (°C) : Not available  
Vapour Pressure : Not available  
Specific Gravity : 1.035 +/-0.005  
Flashpoint (°C) : Not available  
Flammability Limits : Not available  
Solubility in Water : Miscible

## Other Properties

Auto Ignition Temperature : Unavailable  
Vapour Density : Unavailable  
Evaporation Rate : Slower than ether  
Stability : Stable  
Hazardous Polymerisation : Cannot occur



## Ingredients

<b>Chemical Name:</b>	<b>CAS Number:</b>	<b>Proportion:</b>
Ethylene glycol monobutyl ether	111-76-2	< 10%
Surfactant	-	< 10%
Sodium metasilicate, pentahydrate	10213-79-3	< 10%
Phosphonic acid	-	0.5%
Sodium hydroxide	1310-73-2	0.5%
Dye	-	0.0037%
Water	7732-18-5	> 60%

\* Non hazardous ingredients are exempted according to NOHSC and SUSDP standards.

## HEALTH HAZARD INFORMATION

### Health Effects

#### Acute:

- Swallowed : The liquid is discomforting to the gastro-intestinal tract and may be harmful if swallowed. Ingestion may result in nausea, abdominal irritation, pain and vomiting. Considered an unlikely route of entry in commercial/industrial environments
- Eye : The liquid is highly discomforting to the eyes and capable of causing pain and severe conjunctivitis. Corneal injury may develop, with possible permanent impairment of vision, if not promptly and adequately treated.
- Skin : The liquid is discomforting to the skin if exposure is prolonged and is capable of causing skin reactions which may lead to dermatitis from repeated exposures over long periods. Toxic effects may result from skin absorption. The material may accentuate any pre-existing skin condition.
- Inhaled : The vapour/mist is discomforting to the upper respiratory tract. Inhalation hazard is increased at higher temperatures. Acute effects from inhalation of high vapour concentrations may be chest and nasal irritation with coughing, sneezing, headache and even nausea.

#### 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 : If poisoning occurs, contact a doctor or Poisons Information Centre.  
• *Australia phone:* 13 11 26  
• *New Zealand:* +64 3 474 7000  
Do NOT induce vomiting. Dilute by drinking water. Keep warm, quiet and seek medical attention.
- Eye :  
1. Immediately hold the eyes open and wash continuously for at least 15 minutes with fresh running water.  
2. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.  
3. Transport to hospital or doctor without delay.  
4. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
- Skin :  
1. Immediately remove all contaminated clothing, including footwear. (after rinsing with water).  
2. Wash affected areas thoroughly with water (and soap if available).  
3. Seek medical attention in event of irritation.



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Inhaled	:	<ol style="list-style-type: none"><li>1. Remove to fresh air.</li><li>2. Lay patient down. Keep warm and rested.</li><li>3. Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.</li><li>4. If breathing is shallow or has stopped, ensure clear airway and apply resuscitation, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.</li><li>5. Transport to hospital, or doctor.</li></ol>
First Aid Facilities	:	Ensure availability of clean water for eye/skin wash.
Advice to Doctor	:	Treat symptomatically.

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## PRECAUTIONS FOR USE

**Exposure Standards** : None assigned. Refer to individual constituents.

**Exposure Standards for Mixture** : Operations which produce a spray/mist or fume/dust, introduce non-volatiles to the breathing zone. If the breathing zone concentration of ANY of the components listed below is exceeded, "Worst Case" considerations deem the individual to be over-exposed.

<b>Component</b>	<b>ppm</b>	<b>TWA mg/m3</b>	<b>Concentration (%)</b>
Ethylene glycol monobutyl ether	20.00	97.0000	10.0
Sodium metasilicate, pentahydrate	-	97.0000	10.0

**Engineering Controls** : Use in a well-ventilated area; general exhaust is adequate under normal operating conditions. If risk of overexposure exists, wear SAA approved respirator. Correct fit is essential to obtain adequate protection. Provide adequate ventilation in warehouse or closed storage areas.

## Personal Protection

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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	:	Chemical protective gloves.
Eye Protection	:	Safety glasses with side shields; or as required, Chemical goggles. Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.
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.

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## SAFE HANDLING INFORMATION

### Storage & Transport

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Details	:	<ol style="list-style-type: none"><li>1. Store in original containers; containers should be securely sealed.</li><li>2. Store in a cool, dry, well ventilated area.</li><li>3. DO NOT allow to freeze.</li><li>4. Store away from incompatible materials.</li><li>5. Protect containers against physical damage and check regularly for leaks.</li></ol>
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Storage Incompatibilities	:	Avoid storage with acids and oxidising agents.
Transportation restrictions	:	None

### Spills & Disposal

Minor Spills	:	Slippery when spilt. 1. Clean up all spills immediately. 2. Avoid breathing vapours and contact with skin and eyes. 3. Control personal contact by using protective equipment. 4. Contain and absorb spill with sand, earth, inert material or vermiculite. 5. Wipe up. 6. Place in a suitable labelled container for waste disposal.
Major Spills	:	Slippery when spilt; Minor hazard. 1. Clear area of personnel. 2. Alert Fire Brigade and tell them location and nature of hazard. 3. Control personal contact by using protective equipment as required. 4. Prevent spillage from entering drains or water ways. 5. Contain spill with sand, earth or vermiculite. 6. Collect recoverable product into labelled containers for recycling. 7. Absorb remaining product with sand, earth or vermiculite and place in appropriate containers for disposal. 8. Wash area and prevent runoff into drains or waterways. 9. If contamination of drains or waterways occurs, advise emergency services.
Disposal	:	1. Recycle wherever possible or consult manufacturer for recycling options. 2. Consult State Land Waste Management Authority for disposal. 3. Treat and neutralise with dilute acid at an effluent treatment plant. 4. Recycle containers; otherwise dispose of in an authorised landfill.
State / Territory Authority	:	Observe all Federal, State and Local regulations.
Precautions for Clean Up Crew	:	Nitrile rubber or PVC gloves and suitable oxygen breathing equipment.

### Fire / Explosion Hazard

Hazard of Use / Storage	:	Non combustible; Not considered to be a significant fire risk; Stable under normal storage and application temperature.
List of Dangerous Decomposition or Combustion Products	:	May emit acrid smoke. Other decomposition products include carbon dioxide (CO <sub>2</sub> ).
Types of Extinguisher	:	Water, Foam, CO <sub>2</sub> and Dry Chemical.
Precautions	:	Fire fighters should wear self-contained breathing apparatus.
Protective Clothing	:	None
Reactivity	:	Decomposes on heating and may produce toxic fumes of carbon monoxide (CO).

### OTHER INFORMATION

Ecology	:	Avoid contaminating waterways and sewers.
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### CONTACT POINT

Gripset Technical Department	:	+61 8 8268 1855 or 1800 650 435
Australia Poisons Information Centre	:	13 11 26
Police & Fire Brigade:	:	000