



# SAFETY DATA SHEET

## Product: Brake Fluid DOT 4

### 1. Product Identification

#### Product Details

Product Identifier Brake Fluid DOT 4  
Product Code 6010  
Recommended Use Automotive Brake Fluid

#### Manufacturer or Supplier Details

Supplier Royal Precision Lubricants Pty Ltd  
(ABN 72 155 989 165)  
Address 40 Kimberly Road, DANDENONG SOUTH, VIC, 3175  
Telephone +61 3 9768 2441  
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Email info@royallubricants.com.au

### 2. Hazard(s) Identification

#### GHS Classification

Not Classified as Hazardous according to the Globally Harmonised System of Classification on and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7<sup>th</sup> edition).

### 3. Composition / Information on Ingredients

Ingredients:

Ingredient	% (w/w)	CAS Number
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Non hazardous component(s) to 100%

#### Preparation Description

Clear amber coloured liquid with a characteristic odour.

### 4. First Aid Measures

**Eye contact:** If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

**Inhalation:** Remove victim from area of exposure – avoid becoming a casualty.  
Remove contaminated clothing and loosen remaining clothing.  
Allow patient to assume most comfortable position and keep warm.  
Keep at rest until fully recovered.  
Seek medical advice if symptoms persist.



# SAFETY DATA SHEET

## Product: Brake Fluid DOT 4

<b>Skin contact:</b>	If skin or hair contact occurs, immediately remove any contaminated clothing and wash skin and hair thoroughly with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.
<b>If swallowed:</b>	Rinse mouth with water. If swallowed, give a glass of water to drink. If vomiting occurs give further water. Do not give anything to an unconscious person. Seek immediate medical assistance.
<b>Protection of first-aiders:</b>	When administering first aid, ensure that you are wearing the appropriate personal protective equipment according to the incident, injury and surroundings.
<b>Notes to physician:</b>	Treat symptomatically. Show this MSDS to the medical practitioner.

### Other Information

For advice in an emergency, contact a Poisons Information Centre or a doctor at once.  
(131 126)

## 5. Fire Fighting Measures

<b>Suitable Extinguishing Equipment:</b>	Use extinguishing media suitable to surrounding fire.
<b>Hazards from Combustion Products:</b>	Oxides of carbon and nitrogen. Hydrocarbon compounds.
<b>Specific Methods:</b>	Heating can cause expansion or decomposition of the material, which can lead to the containers exploding. If safe to do so, remove containers from the path of fire. On burning will emit toxic fumes. Keep containers cool with water spray. Fire fighters to wear self contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.
<b>Special Protective for Fire Fighters:</b>	Fire- fighters should wear full protective clothing and self contained breathing apparatus (SCBA).
<b>Other Information:</b>	This product is COMBUSTIBLE at elevated temperatures. Irritating and/or harmful vapours may be emitted under fire conditions.

## 6. Accidental Release Measures

<b>Emergency Procedures:</b>	Wear protective equipment to prevent skin and eye contact. Avoid breathing in vapours. Dilute with water - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers for disposal. If contamination of sewers or waterways has occurred advise local emergency services.
<b>Spills &amp; Disposal</b>	Collect and seal in properly labelled containers for disposal. Contain spills with inert absorbent material (eg. Sand, earth). Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.



# SAFETY DATA SHEET

**Product: Brake Fluid DOT 4**

## 7. Handling and Storage

<b>Precautions for Safe Handling:</b>	Avoid skin and eye contact and breathing in vapour. Ensure good ventilation.
<b>Conditions for safe storage, including any incompatibilities:</b>	Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Keep containers closed when not in use – check regularly for leaks or build up of pressure.
<b>Store Regulations:</b>	Classified as a Class C1 (Combustible Liquid) for the purpose of storage and handling, in accordance with the requirements of AS1940.

## 8. Exposure Control / Personal Protection

<b>Occupational exposure limit values:</b>	No value assigned for this specific material by Safe Work Australia.
<b>Appropriate Engineering Controls:</b>	Use in well ventilated areas. If inhalation risk exists; use with local exhaust ventilation or while wearing organic vapour respirator. DO NOT enter confined spaces where vapour may have collected. Keep containers closed when not in use.
<b>Personal Protective Equipment Respiratory Protection:</b>	OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated and other protective equipment before storage or reuse.

## 9. Physical and Chemical Properties

<b>Form</b>	Liquid
<b>Appearance</b>	Amber or Green liquid
<b>Odour</b>	Characterisitic
<b>Freezing Point</b>	Not available
<b>Boiling Point</b>	Approx 277°C
<b>Vapour Pressure</b>	Not available
<b>Solubility in Water</b>	Fully Miscible
<b>pH Value</b>	8.5
<b>Specific Gravity</b>	1.074
<b>Flash Point</b>	>120°C cc
<b>Auto-Ignition Temperature</b>	Not Available



# SAFETY DATA SHEET

**Product: Brake Fluid DOT 4**

## 10. Stability and Reactivity

<b>Chemical stability:</b>	No dangerous reactions or incompatible materials known.
<b>Conditions to Avoid:</b>	Avoid excessive heat and high sources of energy.
<b>Incompatible materials:</b>	Incompatible with strong acids and strong oxidising agents.
<b>Possibility of hazardous reaction:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Hazardous Polymerization:</b>	Product will not undergo polymerisation.

## 11. Toxicological Information

<b>Ingestion:</b>	Swallowing can result in nausea, vomiting and diarrhea and abdominal pain.
<b>Inhalation:</b>	May cause respiratory tract irritation.
<b>Skin:</b>	Contact with skin can result in irritation.
<b>Eye:</b>	May be an eye irritant.
<b>Health Hazard:</b>	No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are listed below.
<b>Chronic Effects:</b>	Dermatitis may occur from chronic and prolonged skin exposure. Contains materials which may cause damage to kidneys and liver. Some ingredients showed reproductive toxicity in animal studies with high level oral exposure.

## 12. Ecological Information

<b>Ecotoxicity:</b>	Avoid contaminating waterways. No specific information available.
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## 13. Disposal Considerations

<b>Disposal Considerations:</b>	Refer to Waste Management Authority. Dispose of material through a licensed waster contractor. Empty containers must be decontaminated and destroyed. Normally suitable for incineration by an approved agent.
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## 14. Transport Information

<b>Transport Information:</b>	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail or NZS 5433:1999 Transport of
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# SAFETY DATA SHEET

## Product: Brake Fluid DOT 4

Dangerous Goods on Land.

**Marine Transport:** Not classified as a Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

**Air Transport:** Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

**UN Number:** None Allocated

**UN Proper Shipping Name:** None Allocated

**Transport Hazard Class(es):** None Allocated

## 15. Regulatory Information

### Poisons Schedule

Not scheduled

### Australia (AICS)

All ingredients are listed on the Australian Inventory of Chemical Substances (AICS) or exempt.

## 16. Other information

**Date of Issue** 08<sup>th</sup> December 2016

### Abbreviations

ADG = Australian Dangerous Goods  
GHS = Globally Harmonised System of Classification and Labelling of chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk container  
IMDG = International Maritime Dangerous Goods  
STEL = Short term exposure limit  
TWA = time weighted average

### References

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.  
Standard for the Uniform Scheduling of Medicines and Poisons.  
Australian Code for the Transport of Dangerous Goods by Road & Rail.  
Workplace exposure standards, Safe Work Australia.  
Hazardous Substances/Chemicals Information System, Safe Work Australia.  
Globally Harmonised System of classification and labelling of chemicals.  
Raw material suppliers' SDS.

### Other Information

Reason(s) for Issue: GHS Update

DO NOT MIX WITH OTHER CHEMICALS WITHOUT PRIOR CONSULTATION WITH THE MANUFACTURER. Always use product as directed.

Never return any unused material to original drum.

The information contained in this SDS is as accurate as we can ascertain at this time. However, as the information is gleaned from a number of third party sources, Royal Precision Lubricants can make no warranty, guarantee or statement as to the reliability or completeness of the information. Royal Precision Lubricants will not accept liability of any damages whatsoever arising from the



# SAFETY DATA SHEET

## Product: Brake Fluid DOT 4

reliance of this information. It is the responsibility of the person handling the product to satisfy themselves as to the suitability and completeness of such information for their own use.

Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission, recommendation or authorization given or implied to practice any patented invention without a valid license. Royal Precision Lubricants should not be responsible for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material.

**...END OF SDS...**