

HEAVY DUTY DOT 4 BRAKE FLUID

MATERIAL SAFETY DATA SHEET

MSDS No:		QUICK SMART PRODUCTS
Product Name:	HEAVY DUTY DOT 4 BRAKE FLUID	53 ASSEMBLY DRIVE
Manufacturers Code:	DOT4-500	TULLAMARINE VIC 3043
		ABN: 40 959 725 049
		(03) 9338 6655 (BH)
Date:	August 2011	(03) 9336 7945 (AH)

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	HEAVY DUTY DOT 4 BRAKE FLUID
Company Name:	QUICK SMART PRODUCTS
Address:	53 Assembly Drive Tullamarine Vic 3043
Telephone/Fax:	(03) 9338 6655 (BH) Poisons Information Centre 131126 (AH) Fax: (03) 9335 2598
Recommended Use:	Brake Fluid

2. HAZARDS IDENTIFICATION

Statement of Hazardous/Dangerous Nature:	NON-HAZARDOUS SUBSTANCE NON-DANGEROUS GOODS Classified as Non-Hazardous according to the criteria of NOHSC Australia. Classified as Non-Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code)
UN No:	None Allocated
Hazchem Code:	None Allocated
Poisons Schedule:	Not Scheduled
Dangerous Goods Class:	None Allocated
Packaging Group:	None Allocated

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product does not contain any hazardous ingredients at or above regulated thresholds.

4. FIRST AID MEASURES

Poison Information Centres (131126) in each State Capital City can provide additional assistance for scheduled poisons.

Ingestion:	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If potentially dangerous quantities of this material have been swallowed, seek medical attention immediately.
Eye:	In case of contact, hold eyelid open and flush with copious amounts of clean water for at least 15 minutes or until all contaminants are washed out completely. Seek medical attention if irritation develops or persists.
Skin:	In case of contact, remove contaminated clothing and launder before re-use. Wash contaminated skin with copious amounts of clean water. Seek medical attention if irritation develops or persists.
Inhaled:	If inhaled, remove to fresh air. Seek medical attention if symptoms appear.
First Aid Facilities:	Normal washroom facilities are generally suitable. It is recommended that an eyewash station be available and ready for use.
Advice to Doctor:	Treat symptomatically.

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5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	In case of fire use water fog, foam, dry chemical or carbon dioxide extinguisher or spray. Do not use water jet.
Protective Equipment for Fire Fighters:	Fire Fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
Fire/Explosion Hazard:	This material is not explosive as defined by established regulatory criteria.
Hazardous Decomposition or Byproducts:	No specific data.

6. ACCIDENTAL RELEASE MEASURES:

Large Spill:	Spillages are slippery. Avoid accidents, clean up immediately. Personnel involved in cleaning up any spills are to wear protective equipment to prevent skin and eye contamination and inhalation of vapours. Cordon off the spillage area. Isolate the source of the spillage or leak. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal
Small Spills:	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container.
Disposal:	Dispose of in accordance to Federal, EPA, State and Local Regulations. Disposal into sewer system is not permitted.

7. HANDLING AND STORAGE

Handling:	Maintain good standards of personal hygiene after handling i.e. washing hands prior to eating, drinking, smoking or using the toilet facilities and at the end of the working period. Keep containers closed when not in use.
Storage:	Combustible Liquid Class C1. Refer to AS1940 – Storage and Handling of Flammable and Combustible Liquids. Store in a clean, dry, well ventilated place out of direct sunlight and away from ignition sources and oxidising agents. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks.

8. EXPOSURE CONTROL

Occupational Exposure Limits:	No exposure standards have been established for this material, however, the TWA National Occupational Health and Safety Commission (NOHSC) exposure standards for oil mist is 5 mg/m ³ . As with all chemicals, exposure should be kept to the lowest possible levels. As published by the National Occupational Health and Safety Commission (NOHSC): TWA - the Time-Weighted Average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.
Biological Limit:	No biological limit allocated.

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Engineering Controls:	Ensure adequate natural ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits.
Respiratory Protection:	None required. However, use of adequate ventilation is good industrial practice.
Eye Protection:	Safety glasses with side shields recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standards AS/NZS 1337 – Eye Protectors for Industrial Applications.
Hand Protection:	Wear protective gloves if prolonged or repeated contact is likely. Recommended: Butyl gloves. 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.
Body Protection:	None required. However, use of protective clothing is good industrial practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Colour:	Straw. Amber
Odour:	Mild
Flash Point:	137°C (Closed Cup)
Vapour Pressure:	Not Available
Vapour Density:	Not Available
Viscosity:	Dynamic: 0.005 Pa s (5 cP) at 20°C Kinematic: 1.5 mm ² /s (1.5 cSt) at 100°C
pH:	8.4
Boiling Point/Range:	260°C (500°F)
Melting Point/Range:	Not Available
Relative Density/ Specific Gravity:	Not Available
Density:	1060 kg/m ³ (1.06 g/cm ³) at 20°C
Solubility:	Soluble in water

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of storage and handling.
Conditions to Avoid:	Avoid extreme temperatures, strong oxidizers, fire.
Incompatibility with Various Substances/ Hazardous Reactions:	Reactive or incompatible with the following materials: oxidizing materials and moisture. Slightly reactive or incompatible with the following materials: acids.

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Hazardous Decomposition Products: No specific data available.

11. TOXICOLOGICAL INFORMATION

Toxicology Information: No toxicity data is available for this specific product.

Effects & Symptoms:

Eyes: No significant health hazards identified.

Skin: No significant health hazards identified.

Inhalation: No significant health hazards identified.

Ingestion: No significant health hazards identified.

Chronic Toxicity:

Carcinogenic Effects: No component of this product at levels greater than or equal to 0.1% is identified as a carcinogen by ACGIH, IARC, EC or NOHSC (Australia).

Mutagenic Effects: No known significant effects or critical hazards.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No ecological data is available for this specific product

Persistence / Degradability: The biodegradability of this material has not been determined.

Mobility: Not available.

Bioaccumulative Potential: Not available.

Environmental Protection: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

13. DISPOSAL CONSIDERATIONS

Disposal Considerations: The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

14. TRANSPORT INFORMATION

Transport Information: Classified as Non-Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code). Refer to relevant regulations for storage and transport requirements.

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15. REGULATORY INFORMATION

Poisons Schedule: Not Scheduled

AICS (Australia): All ingredients are listed in the Australian Inventory of Chemical Substances (AICS)

16. OTHER INFORMATION

Contact Person/Point: Technical Information: (03) 9338 6655.

Date of Preparation or last revision of MSDS: MSDS reviewed: 9 August 2011

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this MSDS in the context of how the product will be handled in the workplace and in conjunction with other materials. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

END OF MSDS