

Material Safety Data Sheet

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Issue Date : July 2009

ISSUED by ABT

Product Name : **SIBS COOLING FLUID**

Classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name SIBS COOLING FLUID
Product Use Coolant for Sealed Integrated Braking System
Company Name ADVANCED BRAKING PTY LTD (ABT)
Address PO Box 1177, Osborne Park
WA 6916
Emergency Tel. AUSTRALIA
Telephone Number/Fax Tel : +61 8 9273 4800 Fax: +61 8 9201 9986

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Liquid Hydrocarbons		80-90 %
	Paraffins & Naphthenes		
	Ingredients determined	Not required	Balance
	not to be hazardous		

3. HAZARDS IDENTIFICATION

Classified as hazardous according to NOHSC criteria.
Not classified as dangerous goods according to the ADG Code.

Risk Phrases
R65 Harmful: may cause lung damage if swallowed.

Safety Phrases
S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

4. FIRST AID MEASURES

Inhalation Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a facemask if breathing is difficult. If irritation develops and persists, seek medical attention.

Ingestion DO NOT induce vomiting. Immediately wash out mouth with water. Seek immediately medical attention.

Skin Remove contaminated clothing. Wash gently and thoroughly with water and non-abrasive soap. Ensure contaminated clothing is washed before re-use or discard. If irritation develops, seek medical attention.

Eye If contact with the eye(s) occur, wash with copious amounts of water, holding eyelids(s) open. Take care not to rinse contaminated water into the non-affected eye. If irritation develops and persists, seek medical attention.

First Aid Facilities Eye wash and normal washroom facilities.

Advice to Doctor Treat symptomatically.

Other Information For advice, contact a Poisons Information Centre (Phone eg Australia 131 126; New Zealand 0800 764 766) or a doctor (at once).

5. FIRE FIGHTING MEASURES

Extinguishing Media Water fog, carbon dioxide, foam or dry chemical.
Do NOT use water jets. Cool fire exposed containers with water spray.

Specific Hazards Combustible C1 liquid. Fire-exposed container may rupture/explode.

Hazardous Combustion Products Under fire conditions this product may emit toxic and/or irritating fumes including oxides of carbon.

Precautions in connection with Fire Self-Contained Breathing Apparatus (S.C.B.A) and full protective clothing should be worn to minimise exposure.

6. ACCIDENTAL RELEASE MEASURES

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Remove all sources of ignition. Increase ventilation. Evacuate all unnecessary personnel. Wear full protective equipment and clothing to minimise exposure. If possible contain the spill. Place inert, non combustible, absorbent material onto spillage. Use clean non-sparking tools to collect the material and place into a suitable labelled container. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

7. HANDLING AND STORAGE

Handling	Repeated or prolonged contact with this material should be avoided in order to lessen the possibility of skin disorders. It is essential that all who come into contact with this material maintain high standards of personal hygiene ie. washing hands prior to eating, drinking or going to the toilet. Build-up of mists in the working atmosphere must be prevented.
Storage	Combustible C1 liquid for storage and handling purposes. Store in a cool, dry, well-ventilated area, out of direct sunlight. Avoid sparks, flames, and other ignition sources. Store away from incompatible materials such as materials that support combustion (oxidising materials). Reference should be made to Australian Standard AS1940- The storage and handling of flammable and combustible liquids.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits	No exposure standards have been established for this material by the National Occupational Health And Safety Commission (NOHSC).
Respiratory Protection	Avoid breathing of vapours or mists. Where ventilation is inadequate and vapours or mists are generated the use of an approved respirator with filter complying with AS/NZS 1715 and AS/NZS 1716 is recommended; however final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715- Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716- Respiratory Protective Devices.
Eye Protection	Safety glasses with side shields, goggles as appropriate 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 Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
Hand Protection	Wear gloves of impervious material. 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	Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material.
Eng. Controls	Natural ventilation should be sufficient, however where vapours or mists are generated the use of a local exhaust ventilation system (drawing vapours/mists away from workers breathing zone) is recommended.
Other Information	No biological limit allocated.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear and bright liquid
Melting Point	Not available.
Boiling Point	238-257°C
Solubility in Water	Immiscible
Specific Gravity (H2O=1)	0.827 @ 15°C
pH Value	Not applicable
Vapour Pressure	3 Pa @ 20°C
Viscosity	4 cSt @ 40°C 1.5 cSt @ 100°C

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Flash Point	105°C (Opened cup)
Flammability	Classified as a Class C1 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS1940. Remove all sources of heat and ignition.
Ignition Temperature	232°C (ASTM E-659)
Flammable Limits	Not available.
LEL	
Flammable Limits	Not available.
UEL	

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Hazardous Polymerization	Will not occur.
Materials to Avoid	Strong oxidising agents.
Hazardous Decomposition Products	Thermal decomposition and combustion produce noxious fumes containing oxides of carbon.
Hazardous Reaction	Reacts with oxidising agents.
Conditions to Avoid	Heat, direct sunlight, open flames or other sources of ignition.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No toxicity data is available for this material.
Inhalation	May cause irritation to the mucous membrane and upper airways, where material is heated and is used in poorly ventilated areas. Symptoms may include headache, dizziness and nausea.
Ingestion	Harmful-may cause lung damage if swallowed. Subsequent to ingestion or vomiting, small amounts of liquid aspirated into the respiratory system may cause severe pulmonary injury that may lead to death. May also cause irritation to the gastrointestinal system. Symptoms may include nausea, vomiting, diarrhoea and abdominal pain.
Skin	May cause irritation in contact with the skin, which may result in redness and itchiness, possibly leading to dermatitis.
Eye	May cause eye irritation, resulting in redness, stinging and excessive tearing.
Chronic Effects	Prolonged or repeated contact with this material may result in skin irritation possibly leading to dermatitis.

12. ECOLOGICAL INFORMATION

	No ecological data is available for this material.
Environ. Protection	Avoid contaminating waterways, drains, sewers, or ground.
Mobility	No data available for this specific product.
Persistence / Degradability	No data available for this specific product.
Bioaccumulation	No data available for this specific product.
Ecotoxicity	No data available for this specific product.

13. DISPOSAL CONSIDERATIONS

Dispose of waste according to federal, E.P.A. and state regulations. Assure conformity with all applicable regulations.

14. TRANSPORT INFORMATION

	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
U.N. Number	None Allocated
Proper Shipping Name	None Allocated
DG Class	None Allocated

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Hazchem Code None Allocated

Packing Group None Allocated

15. REGULATORY INFORMATION

Risk Phrase R65 Harmful: may cause lung damage if swallowed.

Safety Phrase S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

Poisons Schedule S5

Hazard Category Harmful

Packaging & Labelling Labelling requirements of the Standard for Uniform Scheduling of Drugs and Poisons do not apply to a poison that is packed and sold solely for industrial, laboratory or manufacturing purposes; however is labelled in accordance with the National Occupational Health and Safety Commission's 'National Code of Practice for the Labelling of Workplace Substances'.

16. OTHER INFORMATION

SDS History MSDS Creation: January 2005 (Infosfe No. LPU8Z); revised July 2009 (Company details updated) reviewed to NOHSC:2011(2003) & released by ABT...End Of MSDS...