

Safety Data Sheet

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Issued Date : July 2018

Issued by : ABT

Product Name: **FAILSAFE COOLING FLUID – BLEND 20**
Classified as hazardous according to criteria of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name FAILSAFE COOLING FLUID – BLEND 20
Product Use Coolant for Sealed Integrated Braking System
Company Name ADVANCED BRAKING PTY LTD (ABT)
Address 19 Creative Street, Wangara
WA 6065
AUSTRALIA

Emergency Telephone Number Tel: +61 8 9302 1922

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Hydrotreated middle distillate	64742-46-7	>80%
	p-Dodecylphenol	74499-35-7	<10%
	Ingredients determined not to be hazardous	Not required	Balance <10%

3. HAZARDS IDENTIFICATION

Classification: Skin corrosion/irritation: Category 2
Acute toxicity (oral, dermal, inhalation): Category 4

Label element, including precautionary statements:

Symbols:



Signal word(s): - Warning

Hazard statement(s): -H315: Causes skin irritation
-H302: Harmful if swallowed

Precautionary statement(s):

Prevention -P264: Wash hands thoroughly after handling.
-P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response -P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
-P301 + P330 + P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
-P332 + P313: if skin irritation occurs: Get medical advice/attention.
-P362: Take off contaminated clothing and wash before Re-use.

Storage -P405: Store locked up.

Disposal -P501: Dispose of contents/container in accordance with local/national/international regulations.

Other hazards which do not result in classification;

NFPA Ratings: Health:1, Flammability:1, Reactivity:0



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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 mouth with water. Seek immediate 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) occurs, wash with copious amounts of water, holding eyelid(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 e.g. 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	Classified as a Flammable liquid: category 4. 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 (SCBA) and full protective clothing should be worn to minimize exposure.

6. ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition. Increase ventilation. Evacuate all unnecessary personnel. Wear full protective equipment and clothing to minimize 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 labeled 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 i.e. washing hands prior to eating, drinking or going to the toilet. Build-up of mists in the working atmosphere must be prevented.
Storage	Classified as a Flammable liquid: category 4 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 (oxidizing 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.
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 dependent 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.

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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 to 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 282 – 307°C

Solubility in Water Immiscible

Specific Gravity (H2O=1) 0.827 @ 15°C

pH Value Not applicable

Vapour Pressure <0.1 mmHg @ 20 °C

Viscosity 4 cSt @ 40°C
1.5 cSt @ 100°C

Flash Point Min 130 °C (ASTM D56)

Flammability Classified as a Flammable liquid: category 4 for the purpose of storage and handling, in accordance with the requirements of AS1940. Remove all sources of heat and ignition.

Ignition Temperature >210°C (ASTM E-659)

Flammable Limits LEL Not available

Flammable Limits UEL Not available

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions

Hazardous Polymerization Will not occur

Materials to Avoid Strong oxidisers such as hydrogen peroxide, nitric acid, sulphuric acid, etc.

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, sleepiness, orientation loss 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, diarrhea and abdominal pain.

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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

Environ. Protection No ecological data is available for this material
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, Rail and Air.
U.N. Number None Allocated
Proper Shipping Name None Allocated
DG Class None Allocated
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 Labeling 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 labeled in accordance with the National Occupational Health and Safety Commission's 'National Code of Practice for the Labeling of Workplace Substances'

16. OTHER INFORMATION

SDS History MSDS Creation: Jan 2005 (Infosafe No. LPU8Z); revised Jul 2009 (Company details updated) reviewed to NOHSC:2011(2003) & released by ABT; revised Nov 2013 (change of base oil and related information) & released by ABT; revised Oct 2016 (change of format to suit GHS) & released by ABT; revised Jul 2018 (change of branding, address and contact details) & released by ABT. End of MSDS.