



SAFETY DATA SHEET

ATLANTIC DOT-3 BRAKE FLUID CLEAR

Version 1.0

Issue Date: 25/10/2019

Issued by Atlantic Lubricants Pty. Ltd.

1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND COMPANY

Product Name : Atlantic DOT-3 Brake Fluid Clear
Use : Brake Fluid
Product Code : BFDOT3C
Company Name : Atlantic Lubricants Pty Ltd (ABN 67 088 335 059)
Address : 40 Liverpool Street Ingleburn NSW 2565
Telephone/ Fax No : Tel: (02) 9829 7555 Fax: (02) 9829 4555
Web : www.atlanticoil.com
Emergency Telephone : (02) 9829 7555
Poisons Information Centre (Aust. 13 11 26)
Other Product Information : (02) 8706 3240

2. HAZARD(S) IDENTIFICATION

Classification of the mixture : Classified as hazardous under GHS for Australia criteria
Hazard Classification : Eye Irritation Category 2A

Signal Word : Warning

Pictograms :



Hazard Statements: H319 Causes serious eye irritation



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2. HAZARD(S) IDENTIFICATION

(Continued)

Precautionary Statements:

Prevention: P264 Wash skin thoroughly after handling
P280 Wear eye protection/ face protection

Response: P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/attention.

Disposal: Not available.

Poisons Schedule: Not Scheduled

3. COMPOSITION/ INFORMATION ON INGREDIENTS

| COMPONENT | %(w/w) | CAS NUMBER |
|---|--------------|------------|
| 2-(2-(2-butoxyethoxy)ethoxy)ethanol | >= 10 - < 30 | 143-22-6 |
| 1,1'-iminodipropan-2-ol | < 10 | 110-97-4 |
| 6-tert-butyl-2,4-xlenol | < 10 | 1879-09-0 |
| Other ingredients classified as not hazardous, or at levels not requiring classification according to Safe Work Australia | Balance | - |

4. FIRST AID MEASURES

Description of necessary first aid measures

- Eye** : If contact with the eye(s) occurs, wash with copious amounts of water, holding eyelids(s) open. Continue flushing for at least 15 minutes. Take care not to rinse contaminated water into the non-affected eye. If irritation develops and persists, seek 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.
- Inhalation** : Remove the source of contamination or move the victim to fresh air. Seek medical attention if symptoms occur.
- Ingestion** : Keep respiratory tract clear.
Do NOT induce vomiting.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
Take victim immediately to hospital.



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4. FIRST AID MEASURES

(Continued)

Notes to physician : Treat symptomatically with supportive care.

For further information contact Poisons Information Centre (Aust. 13 11 26)

5. FIRE FIGHTING MEASURES

- Extinguishing Media:** Use extinguishing media appropriate for surrounding fire. Use Carbon dioxide, foam, dry chemical or water spray.
- Specific Hazards :** Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine etc. Avoid using a high volume water jet.
- Fire Fighting :** Alert Fire Brigade and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus. Prevent, by any means available, spillage from entering drains or water course. Use water delivered as a fine spray to control fire and cool adjacent area.
- Fire/ Explosion Hazard :** Combustible. Heating may cause expansion or decomposition leading to violent rupture of containers. Product is a mobile liquid. Oxides of carbon are involved in combustion. May emit poisonous and corrosive fumes.

6. ACCIDENTAL RELEASE MEASURES

- Spills or Leaks :** Restrict access to area until clean-up is completed
Wear PPE as per this SDS
Create bund
Absorb / contain waste, use earth, vermiculite, inert material
Collect and seal in appropriate container
Label the container
Observe regulatory reporting requirements (Incident Notification)
Protect drains from potential spills to minimise contamination.
In the case of large spills contact the appropriate authorities.
- Disposal :** Dispose of in accordance with States, Local Government, EPA or related Regulations or Codes of Practice.



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7. HANDLING AND STORAGE

- Handling** : Eye wash and safety shower to be available in the workplace.
Wear PPE as per this SDS
Compliant eyewash to be provided for external work.
Observe good personal hygiene practices.
Wash hands thoroughly after handling.
Avoid contact with skin and eyes.
Use only in well ventilated areas. Ensure Exposure Standard is not exceeded
Wear respiratory protection if vapours or spray or mist is present.
No eating or drinking in the work area.
Remove contaminated clothing before entering eating areas.
- Storage** : 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.
Store in original packaging as approved by manufacturer or regulatory direction. Provide spill kit.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

- Exposure Limits** : Contains no substances with occupational exposure limit values.
- Respiratory Protection** : If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. Final choice of appropriate breathing protection is dependent upon actual 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, or goggles is 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 – Personal Eye Protection Part 1: Eye and Face Protectors for Industrial Applications.



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8. EXPOSURE CONTROLS, PERSONAL PROTECTION

(Continued)

- 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 or overalls where clothing is likely to be contaminated. Wear safety footwear or safety gumboots. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material.
- Engineering Controls** : Natural ventilation should be sufficient, however where vapours or mists are generated the use of a local exhaust ventilation system (drawing spray or mists away from workers breathing zone) is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|--------------------------------|---|---------------------------|
| Appearance | : | Yellow transparent liquid |
| Odour | : | Mild |
| Solubility in Water | : | Not Provided |
| pH as a solution (33%) | : | 9.7 |
| Electrostatic Stability | : | Not Provided |
| Vapour Pressure | : | Not Provided |
| Vapour Density | : | Not Provided |
| Flash Point | : | > 141 Deg. C. |
| Ignition Temperature | : | Not Provided |
| Freezing Point | : | - 40 Deg. C. |
| Boiling Point | : | > 230 Deg. C. |
| Relative Density | : | 1.07 |
| Viscosity Dynamic | : | 15 mPas (20 Deg. C.) |
| Pour Point | : | Not Provided |

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 may result in the release of toxic and or irritating fumes including carbon monoxide and carbon dioxide.
- Hazardous Reaction** : Hazardous reaction with strong oxidising agents. As a general precaution, never mix brake fluids with other material.
- Conditions to avoid** : Heat, direct sunlight, open flames or other sources of ignition.



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11. TOXICOLOGICAL INFORMATION

Exposure routes : No data is available on the product itself.

ACUTE HEALTH EFFECTS

Components:

2-(2-(2-butoxyethoxy)ethoxy)ethanol:

Acute oral : LD50 (Rat): 5,100 mg/kg

Toxicity Components : No information available.

1,1'-iminodipropan-2-ol:

Acute oral : LD50 (Rat): > 2,000 mg/kg

Toxicity Components : Assessment: The substance or mixture has no acute oral toxicity.

6-tert-butyl-2,4-xylenol:

Acute oral : LD50 (Mouse): 530 mg/kg

Toxicity Components : LD50 (Rat, male): 910 mg/kg
Method: OECD Test Guideline 401
GLP: yes

Assessment: The component/mixture is moderately toxic after single ingestion.

Acute inhalation : No data available
Toxicity

Acute dermal toxicity : LD50 (Rabbit, male and female): > 2,000 mg/kg
Product : Method: OECD Test Guideline 402
GLP: yes

Acute toxicity (other : No data available
routes of administration)

Skin corrosion/irritation

Product:

Species : Rabbit

Assessment : No skin irritation

Method : OECD Test Guideline 404

Result : No skin irritation
GLP: yes

Serious eye damage/eye irritation

Product:

Remarks : May irritate eyes.



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11. TOXICOLOGICAL INFORMATION

(Continued)

Respiratory or skin sensitisation

Components:

2-(2-(2-butoxyethoxy)ethoxy)ethanol:

Exposure routes : Skin
Species : Guinea pig
Method : OECD Test Guideline 406
Result : Does not cause skin sensitisation.

Assessment : No data available

CHRONIC HEALTH EFFECTS

Germ cell mutagenicity

Components:

6-tert-butyl-2,4-xyleneol:

Genotoxicity in vitro : Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 473
Result: negative
GLP: yes

Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative
GLP: yes

Genotoxicity in vivo : No data available

Carcinogenicity

Carcinogenicity

Assessment : No data available

Reproductive toxicity

Components:

6-tert-butyl-2,4-xyleneol:

Effects on fertility : Species: Rat, male and female
Application Route : Oral
General Toxicity – Parent : No-observed-effect level: 150 mg/kg body weight
General Toxicity F1 : No-observed-effect level: 30 mg/kg body weight
Target Organs : Kidney, Liver
Method: OECD Test Guideline 422
GLP: No information available.

Effects on foetal Development : No data available



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11. TOXICOLOGICAL INFORMATION

(Continued)

Reproductive toxicity Assessment : No data available

STOT - single exposure : No data available

STOT - repeated exposure : No data available

Repeated dose toxicity

Components:

6-tert-butyl-2,4-xyleneol:

Species : Rat, male

NOEL : 6 mg/kg

Application Route : Oral

Method : OECD Test Guideline 422

Target Organs : Kidney, Liver

Assessment : The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

Repeated dose toxicity Assessment : No data available

Aspiration toxicity : No data available

Experience with human exposure

General Information : No data available

Inhalation : No data available

Skin contact : No data available

Eye contact : No data available

Ingestion : No data available

Toxicology, Metabolism : No data available

Distribution : No data available

Neurological effects : No data available

Other Information : No data available



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12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

2-(2-(2-butoxyethoxy)ethoxy)ethanol:

Toxicity to fish : LC50: 2,200 mg/l
Exposure time: 96 h
LC50: 3,400 mg/l
Method: DIN 38412

1,1'-iminodipropan-2-ol:

Toxicity to fish : LC50: 1,000 - 2,200 mg/l
Exposure time: 96 h

6-tert-butyl-2,4-xyleneol:

Toxicity to fish : LC50: 2.5 mg/l
Exposure time: 96 h
Method: No information available.
GLP: yes

Persistence /Degradability

Components:

2-(2-(2-butoxyethoxy)ethoxy)ethanol:

Biodegradability : Biodegradation: > 70 %
Method: OECD Test Guideline 302B

Biodegradation: > 90 %
Exposure time: 28 d
Method: Directive 67/548/EEC Annex V, C.4.B.

6-tert-butyl-2,4-xyleneol:

Biodegradability : Result: Not readily biodegradable.
Biodegradation: 3 %
Exposure time: 28 d
Method: OECD Test Guideline 301C
GLP: yes

Components:

2-(2-(2-butoxyethoxy)ethoxy)ethanol:

Biochemical Oxygen Demand (BOD) : 20 mgO₂/g
Incubation time: 5 d

Components:

2-(2-(2-butoxyethoxy)ethoxy)ethanol:

Chemical Oxygen Demand (COD) : 1830 mgO₂/g
1920 mgO₂/g
BOD/COD : No data available

Mobility : Will be absorbed by earth.

Bioaccumulation : No data available

Environmental Protection : Prevent this material from entering the environment. Do not discharge into sewer or waterways.



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13. DISPOSAL CONSIDERATIONS

Do not dispose down drains or to soil or landfill.
Dispose of waste according to state E.P.A. regulations. Use a licensed waste contractor and assure conformity with all applicable regulations.
Do not re-use empty containers.

14. TRANSPORT INFORMATION

Not classified as Dangerous Goods 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
SUBSIDIARY HAZARD : None Allocated
HAZCHEM CODE : None Allocated
PACKING GROUP : None Allocated

15. REGULATORY INFORMATION

POISONS SCHEDULE : Not scheduled

16. OTHER INFORMATION

REFERENCES : AS/NZS 1715 - Use and maintenance of Respiratory Protective Devices.
AS/NZS 1716 - Respiratory Protective Devices.
AS/NZS 1337 - Personal eye protection Part 1: Eye and face protectors for occupational applications.
AS/NZS 2161.1 - Occupational protective gloves.
AS 1940 - The storage and handling of flammable and combustible liquids.

CONTACT

For information concerning details on this Safety Data Sheet contact Atlantic Technical Help Line on (02) 8706 3240.

All reasonable care has been taken to ensure that the information and advice contained herein are accurate at the time of printing. However, Atlantic accepts no tortious or contractual liability for any loss or damages suffered as a consequence of reliance on the information and advice contained herein.

THIS SDS 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 AND USED IN THE WORKPLACE. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

End of Safety Data Sheet