



SAFETY DATA SHEET

ATLANTIC MULTIPLEX EXTREME EP2 BLUE

Version 1.1
Supersedes

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Issued by Atlantic Lubricants Pty. Ltd.

1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND COMPANY

Product Name : Atlantic Multiplex Extreme EP2 Blue
Use : High Temperature Grease
Product Code : GRSEEP2
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 : Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)
Not classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Hazard Classification : Long-term Hazard To The Aquatic Environment - Category 3

Signal Word : **Warning**

Pictograms :



Hazard Statements: H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements:

Prevention: P273 Avoid Release to the environment.



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2. HAZARD(S) IDENTIFICATION

(Continued)

Disposal: P501 Dispose of contents/container in accordance with Local / regional / national /international regulations.

Poisons Schedule: Not Scheduled

3. COMPOSITION/ INFORMATION ON INGREDIENTS

(IP 346 DSMO extract <3%) Proprietary additives.

COMPONENT	%(w/w)	CAS NUMBER
Lithium Complex Soap	10.0-30.0%	N/A
Phosphorodithioic acid, O,O-bis(2-ethylhexyl and iso-Bu and iso- Pr)esters, zinc salts	1.0-5.0%	85940-28-9
2-butoxyethanol	<1.0 %	111-76-2
BHT Food Grade (RC 7110)	<1.0 %	128-37-0
Hydrocarbon C10 Aromatics> 1% Naphthalene	<1.0 %	
Potassium hydroxide	<1.0 %	1310-58-3
Other ingredients classified as not hazardous, or at levels not requiring classification according to Safe Work Australia	Balance	-

3. 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.
- Inhalation** : Remove the source of contamination or move the victim to fresh air. Seek medical attention if symptoms occur.
- Ingestion** : Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce vomiting unless under the direction of medical personnel.
- 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. Medical advice must be obtained urgently if product under high pressure has been injected through the skin.



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4. FIRST AID MEASURES

(Continued)

Note: High pressure applications injections through the skin resulting from contact with this product at high pressure constitutes a major medical emergency. Injuries may not appear at first but within a few hours tissue becomes swollen, discoloured and extremely painful with extensive subcutaneous necrosis. Surgical exploration should be undertaken without delay.

Thorough and extensive debridement of the wound and underlying tissue is necessary to minimise tissue loss and prevent or limit permanent damage. Note that high pressure may force the product considerable distances along the tissue planes.

Notes to Physician : Treat symptomatically with supportive care.

First Aid Facilities : Eyewash and normal washroom facilities.

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

5. FIRE FIGHTING MEASURES

Extinguishing Media : Carbon dioxide, alcohol-resistant foam, dry chemical, water mist or spray. Do not use water jet as an extinguisher, as this will spread the fire.

Fire and Explosion Hazard : Combustible solid > 250 Deg C.

Hazards From Combustion Products : Under fire conditions this product may emit toxic and/or irritating fumes and smoke including carbon monoxide, carbon dioxide and oxides of nitrogen.

Precautions in Connection with Fire : Self-Contained Breathing Apparatus (S.C.B.A) and full protective firefighting clothing.

Special Fire Fighting Instructions : Do NOT allow firefighting water to reach waterways, drains or sewers. Store firefighting water for treatment.

6. ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition. Increase ventilation. Evacuate all unnecessary personnel. May be slippery when spilt. Wear full protective equipment and clothing to minimise exposure. If possible, contain the spill. Use clean non-sparking tools to collect the material and place into a suitable labelled container. Do NOT let product reach drains or waterways. Dispose of in accordance with State, Local Government, EPA or related Regulations or Codes of Practice. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.



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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. Misuse of empty containers can be hazardous. Do not cut, weld, heat or drill containers. Residue may ignite with explosive violence if heated sufficiently. Keep container closed and bung in place.
- Storage** : Combustible, 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/ strong acids). 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.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

General :

Material Name	CAS-No.	Value
2-butoxyethanol	Short-term exposure limit (15-minute):	WEL: 50 ppm 246 mg/m ³
	Long-term exposure limit (8-hour TWA):	WEL: 25 ppm 123 mg/m ³
potassium hydroxide	Short-term exposure limit (15-minute)	WEL: 2 mg/m ³

- Exposure Limits** : No exposure standards have been established for this mixture. However, over-exposure to some chemicals may result in enhancement of pre-existing adverse medical conditions and/ or allergic reactions and should be kept to the least possible levels.
- 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.



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8. EXPOSURE CONTROLS, PERSONAL PROTECTION

(Continued)

- Eye Protection** : Safety glasses with side shields, goggles or full-face shield 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.
- 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.
- 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** : Smooth tacky blue grease
- Odour** : Almost odourless
- Solubility in Water** : Soluble in oil - Insoluble in water
- pH Value** : Not Provided
- Electrostatic Stability** : Not Provided
- Vapour Pressure** : Not Provided
- Vapour Density** : Not Provided
- Flash Point** : >250°C
- Ignition Temperature** : Not Provided
- Melting Point** : >250°C
- Boiling Point** : Not Provided
- Specific Gravity@ 15°C** : Not Provided
- Kinematic Viscosity cSt @ 40°C** : Not Provided
- cSt @ 100°C** : Not Provided
- Pour Point** : Not Provided



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10. STABILITY AND REACTIVITY

Stability	:	Stable under normal conditions.
Hazardous Polymerization	:	Has not been reported.
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, carbon dioxide and oxides of nitrogen.
Hazardous Reaction	:	Hazardous reaction with strong oxidising agents.
Conditions to avoid	:	Heat, direct sunlight, open flames or other sources of ignition.

11. TOXICOLOGICAL INFORMATION

ACUTE HEALTH EFFECTS

Toxicology Information	:	No toxicity data is available for this material.
Ingestion	:	May cause irritation of the gastrointestinal system. Symptoms may include nausea, vomiting and diarrhoea.
Skin	:	May cause mild irritation in contact with the skin, which may result in redness and itchiness, possibly leading to dermatitis.
Eye	:	May cause mild irritation in contact with the eyes which could result in redness, stinging and tearing.
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.
Carcinogenicity	:	Not considered to be a carcinogenic hazard.
Reproductive Toxicity	:	Not considered to be toxic to reproduction.

OTHER INFORMATION

Used oils and greases may contain harmful impurities and contaminants that can accumulate during usage. Frequent or prolonged contact with all types and makes of used oil and grease must therefore be avoided.



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12. ECOLOGICAL INFORMATION

Ecotoxicity	:	No ecological data available.
Persistence /Degradability	:	Not expected to be readily biodegradable.
Mobility	:	Non-volatile. The product is poorly absorbed onto soils or sediments.
Bioaccumulation	:	Not available
Environmental Protection	:	Prevent this material from entering waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Dispose of waste according to state E.P.A. 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
SUBSIDIARY HAZARD	:	None Allocated
HAZCHEM CODE	:	None Allocated
PACKING GROUP	:	None Allocated

15. REGULATORY INFORMATION

COUNTRY/ REGION	:	Australia
AUSTRALIA INVENTORY (AICS)	:	Listed
POISONS SCHEDULE	:	Not Scheduled



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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 SDS 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.