



# SAFETY DATA SHEET

## ATLANTIC EP2 MINING GREASE

Version 1.0

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Issued by Atlantic Lubricants Pty. Ltd.

### 1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND COMPANY

**Product Name** : Atlantic EP2 Mining Grease  
**Use** : High Performance Heavy Duty Severe Service Grease  
**Product Code** : GRSREP2  
**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** : Not classified as hazardous according to the criteria of NOHSC Australia.

**Signal Word** : **WARNING**

**Pictograms** :



**Hazard Statements:** H315 Causes skin irritation.

**Precautionary Statements:**

**Prevention:** P260 Do not breathe mist/ vapours/ spray  
P262 Do not get in eyes, on skin, or on clothing  
P280 Wear protective gloves/ eye protection/ face protection



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## 2. HAZARD(S) IDENTIFICATION

(Continued)

**Response:** **P301+310** If SWALLOWED: immediately call a POISONS CENTRE or doctor/ physician  
**P302+352** IF ON SKIN: Wash with soap and water  
**P331** Do NOT induce vomiting  
**P362** Take off contaminated clothing and wash before reuse

## 3. COMPOSITION/ INFORMATION ON INGREDIENTS

DMSO extract by IP346: Less than 3.0 wt. % (mineral oil component only)

COMPONENT	%(w/w)	CAS NUMBER
Distillate (petroleum) hydrotreated heavy naphthenic	<80	64742-52-5
Hydroxyl containing saturated fatty acids	<10	N/A
Polybutene	<5	9003-29-6
Distillates (petroleum) hydrotreated middle	<5	64742-46-7
Decanedioic acid	<3	111-20-6
Lithium hydroxide monohydrate	<3	1310-66-3
Olefin Sulfide	<3	N/A
Proprietary additive	<3	N/A

## 4. FIRST AID MEASURES

### Description of necessary first aid measures

- Eye** : In case of contact, immediately rinse eyes with plenty of fresh, clean water for at least 15 minutes. Remove contact lenses if present and continue rinsing. Seek medical attention immediately.
- Inhalation** : If inhaled, remove person to fresh air and keep comfortable for breathing. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. If unconscious, place in the recovery position and seek medical attention immediately.
- Ingestion** : Do NOT induce vomiting. Call a doctor or emergency medical facility immediately.
- Skin** : In case of contact, immediately rinse skin with plenty of water. Remove contaminated clothing and shoes. If skin irritation occurs, seek medical attention. Launder contaminated clothing before reuse.
- Notes to Physician** : Treat symptomatically with supportive care.
- First Aid Facilities** : Eyewash

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



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## 5. FIRE FIGHTING MEASURES

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<b>Extinguishing Media</b>	:	Carbon dioxide, foam or dry chemical
<b>Specific Hazards</b>	:	Hazardous decomposition products
<b>Hazards From Combustion Products</b>	:	Under fire conditions this product may emit toxic and/or irritating fumes and smoke including carbon monoxide and carbon dioxide.
<b>Precautions in Connection with Fire</b>	:	Self-Contained Breathing Apparatus (S.C.B.A) and full protective firefighting clothing. Water can be used to cool and protect exposed material. Do not allow runoff water and contaminants from firefighting to enter drains or water courses.

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## 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. Clean preferably with a detergent. Do not use solvents. Do not allow spills to enter drains or water courses.

Dispose of in accordance with State, Local Government, EPA or related Regulations or Codes of Practice. If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. If large quantities of this material enter the waterways contact the Environmental Protection Authority.

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## 7. HANDLING AND STORAGE

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<b>Handling</b>	:	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/ vapour 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. Do not pressurise or expose to open flame or heat. Keep container closed and bung in place.
<b>Storage</b>	:	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.



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## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

- Exposure Limits** : The following occupational exposure limits have been established  
Contains mineral oil: **OIL MIST, REFINED, MINERAL TWA 5mg/m<sup>3</sup>**
- 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.
- 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, 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** : Orange grease  
**Odour** : Mild  
**Solubility in Water** : Negligible  
**pH Value** : Not Provided  
**Electrostatic Stability** : Not Provided  
**Vapour Density** : Heavier than air



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## 9. PHYSICAL AND CHEMICAL PROPERTIES

(Continued)

Flash Point	:	>200°C
Ignition Temperature	:	Not Provided
Melting Point	:	>250°C
Boiling Point	:	>300°C
Specific Gravity@ 15°C	:	0.9443
Kinematic Viscosity cSt @ 40°C	:	Not Provided

## 10. STABILITY AND REACTIVITY

Stability	:	Stable under normal conditions.
Hazardous Polymerization	:	No information available.
Materials to Avoid	:	Strong oxidising and reducing 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.
Conditions to avoid	:	Heat, direct sunlight, open flames or other sources of ignition.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE HEALTH EFFECTS

The preparation has been assessed using the Acute Toxicity Data listed below and classified for toxicological hazards accordingly.

Ingredient	Oral LD50 mg/kg	Skin LD50 mg/kg	Inhalation vapour LD50, mg/L/4hr
Decanedioic Acid – (0000111-20-6)	>5,000, Rat	>6,000, Rabbit	Not Available
Distillate (petroleum) hydrotreated heavy naphthenic – (0064742-52-5)	>5,000, Rat	>5,000, Rabbit	Not Available
Distillates (petroleum), hydrotreated middle – (0064742-46-7)	>5,000, Rat	>3,000, Rabbit	Not Available
Hydroxyl Containing Saturated Fatty Acids (Proprietary or N/A)	Not Available	Not Available	Not Available
Lithium hydroxide monohydrate- (0001310-66-3)	Not Available	Not Available	Not Available
Olefin Sulfide – (Proprietary or N/A)	2,000.00, Rat	2,000.00, Rabbit	Not Available
Polybutene – (0009003-29-6)	34,600.00, Rat	10,250.00, Rabbit	Not Available
Proprietary additive – (N/A)	Not Available	Not Available	Not Available



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## 11. TOXICOLOGICAL INFORMATION

(Continued)

<b>Ingestion</b>	:	May cause irritation of the gastrointestinal system. Symptoms may include nausea, vomiting and diarrhoea.
<b>Skin</b>	:	Causes skin irritation when in contact with the skin, which may result in redness and itchiness, possibly leading to dermatitis.
<b>Eye</b>	:	May cause mild irritation in contact with the eyes which could result in redness, stinging and tearing.
<b>Inhalation</b>	:	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.
<b>Germ Cell Mutagenicity</b>	:	Not considered to be a mutagenic hazard.
<b>Carcinogenicity</b>	:	Not considered to be a carcinogenic hazard.
<b>Reproductive Toxicity</b>	:	Not considered to be toxic to reproduction.
<b>STOT – Single Exposure</b>	:	Not expected to cause toxicity to a specific target organ.
<b>STOT – Repeated Exposure</b>	:	Not expected to cause toxicity to a specific target organ.
<b>Aspiration Hazard</b>	:	Not expected to be an aspiration hazard.

### 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

<b>Persistence /Degradability</b>	:	Not expected to be readily biodegradable.
<b>Mobility</b>	:	No information available.
<b>Bioaccumulation</b>	:	No information available.
<b>Environmental Protection</b>	:	Prevent this material from entering waterways, drains and sewers.



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## 12. ECOLOGICAL INFORMATION

(Continued)

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive and is not classified as dangerous for the environment.

### Aquatic Ecotoxicity:

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Distillate (petroleum) hydrotreated heavy naphthenic – (0064742-52-5)	5,000.00, Oncorhynchus mykiss	1,000.00, Daphnia magna	1,000.00 (96 hr), Scenedesmus subspicatus
Hydroxyl Containing Saturated Fatty Acids – (Proprietary or N/A)	Not Available	Not Available	Not Available
Polybutene – (0009003-29-6)	Not Available	Not Available	Not Available
Distillates (petroleum) hydrotreated middle – (0064742-46-7)	54.00, Jordanella floridae	68.00, Daphnia magna	Not Available
Decanedioic Acid – (0000111-20-6)	Not Available	Not Available	Not Available
Lithium hydroxide monohydrate – (0001310-66-3)	Not Available	Not Available	Not Available
Olefin Sulfide - (Proprietary or N/A)	Not Available	Not Available	Not Available
Proprietary additive – (N/A)	Not Available	Not Available	Not Available

## 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.



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## 14. TRANSPORT INFORMATION

(Continued)

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

INVENTORY : Australia Inventory of Chemical Substances (AICS)

1,3-Butadiene, 2-methyl-, homopolymer  
Decanedioic Acid  
Distillate (petroleum) hydrotreated heavy naphthenic  
Distillates (petroleum), hydrotreated middle  
Lithium hydroxide monohydrate  
Naphtha (petroleum), hydrodesulfurized heavy  
Olefin Sulfide  
Phosphoric acid/Alkyl esters  
Polybutene  
Stoddard solvent  
Tall oil  
Zinc Alkyldithiophosphate

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.

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