

**Safety Data Sheet**

according to WHS Regulations

Printing date 04.09.2019

Version number 2

Revision: 04.09.2019

Not classified as hazardous according to criteria of Australian Safety and Compensation Council.

**1 Identification**

- **Product identifier:**
- **Trade name: PROCURVE™ - Grade 2 (Summer)**
- **REACH Registration number:** Not relevant
- **Relevant identified uses of the substance or mixture and uses advised against:**  
Used as a lubricant to reduce the friction coefficient between the rail gauge face and wheel flange.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
LB Foster Rail Technologies Corp.  
4041 Remi Place  
Burnaby, B.C. V5A 4J8, Canada  
Office: +1 (604) 415-3000  
Facsimile: +1 (604) 420-6757
- **Importer:**  
Sharina Pty Ltd t/as Airlube Australasia  
268 Camboon Road,  
Malaga, WA 6090  
Office: 08 9248 8611  
Email: sales@airlube.com.au
- **Emergency telephone number:**  
Australia: +(61)-290372994 (CHEMTREC CCN #726680)  
Global: +1 (703) 7415970 (CHEMTREC CCN #726680)

**\* 2 Hazard(s) Identification**

- **Classification of the substance or mixture**  
The product is not classified, according to the Globally Harmonised System (GHS).
- **Label elements**
- **Hazard pictograms** Non-Regulated Material
- **Signal word:** Non-Regulated Material
- **Hazard statements:** Non-Regulated Material
- **Information concerning particular hazards for human and environment:**  
Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis. Used grease may contain harmful impurities. High-pressure injection under the skin may cause serious damage including local necrosis. Not classified as flammable but will burn.
- **Other hazards:**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

**3 Composition and Information on Ingredients**

- **Chemical characterisation: Mixtures**
- **Description:** Non-Regulated Material
- **Dangerous components:** Non-Regulated Material
- **Additional information:**  
For the wording of the listed hazard phrases refer to section 16.  
A lubricating grease containing highly-refined mineral oils and additives.  
The highly refined mineral oil contains <3% (w/w) DMSO extract, according to IP346.

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**4 First Aid Measures****Description of first aid measures****After inhalation:** If irritation occurs, consult a doctor.**After skin contact:**

Remove contaminated clothing. Wash clothing before reuse.

Wash with soap and water.

If skin irritation occurs, consult a doctor.

When using high pressure equipment, injection of product under the skin can occur. If high pressure injuries occur, the casualty should be sent immediately to a hospital. Do not wait for symptoms to develop. Obtain medical attention even in the absence of apparent wounds.

**After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:**

In general no treatment is necessary unless large quantities are swallowed, however, get medical advice.

**Information for doctor:**

Treat symptomatically.

High pressure injection injuries require prompt surgical intervention and possibly steroid therapy, to minimise tissue damage and loss of function. Because entry wounds are small and do not reflect the seriousness of the underlying damage, surgical exploration to determine the extent of involvement may be necessary. Local anaesthetics or hot soaks should be avoided because they can contribute to swelling, vasospasm and ischaemia. Prompt surgical decompression, debridement and evacuation of foreign material should be performed under general anaesthetics, and wide exploration is essential.

**Most important symptoms and effects, both acute and delayed**

Oil acne/folliculitis signs and symptoms may include formation of black pustules and spots on the skin of exposed areas.

Ingestion may result in nausea, vomiting and/or diarrhoea. Local necrosis is evidenced by delayed onset of pain and tissue damage a few hours following injection.

**Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**5 Fire Fighting Measures****Extinguishing media****Suitable extinguishing agents:**CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

**For safety reasons unsuitable extinguishing agents:** Water with full jet.**Special hazards arising from the substance or mixture:**

A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide may be evolved if incomplete combustion occurs. Unidentified organic and inorganic compounds.

**Advice for firefighters****Protective equipment:**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

**6 Accidental Release Measures****Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin, eyes and clothing.

**Environmental precautions:** Do not allow product to reach sewage system or any water course.**Methods and material for containment and cleaning up:**

Dispose of the material collected according to regulations.

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**· Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**7 Handling and Storage****· Handling:****· Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Avoid contact with skin, eyes and clothing.

Avoid breathing fume/gas/mist/vapors/spray.

When handling product in drums, safety footwear should be worn and proper handling equipment should be used.

Properly dispose of any contaminated rags or cleaning materials in order to prevent fires.

Use properly labeled and closable containers.

Store at ambient temperature.

**· Information about fire and explosion protection:** No special measures required.**· Conditions for safe storage, including any incompatibilities****· Storage:****· Requirements to be met by storerooms and receptacles:**

Store in a cool, dry place in tightly closed receptacles.

Store in a well ventilated place.

**· Information about storage in one common storage facility:** Store away from oxidising agents.**· Further information about storage conditions:**

For containers or container linings, use mild steel or high density polyethylene.

Unsuitable material: PVC.

**· Specific end use(s)** No further relevant information available.**8 Exposure controls and personal protection****· Additional information about design of technical facilities:** No further data; see item 7.**· Control parameters****· Ingredients with limit values that require monitoring at the workplace:**Oil mist, mineral: TWA (inhalable fraction) 5 mg/m<sup>3</sup> US. ACGIH Threshold Limit ValuesTWA (Mist) 5 mg/m<sup>3</sup> OSHA Z-1**· Additional information:** The lists valid during the making were used as basis.**· Exposure controls****· Personal protective equipment:****· General protective and hygienic measures:** No special measures required.**· Respiratory protection:** Not required.**· Protection of hands:**

Protective gloves

**· Material of gloves:** PVC, neoprene or nitrile rubber gloves**· Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· **Eye protection:**



Safety glasses

### 9 Physical and Chemical Properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

- **Form:** Semi-solid
- **Colour:** Dark grey
- **Odour:** Slight hydrocarbon-like

· **pH-value:** Not applicable.

· **Change in condition**

- **Melting point/freezing point:** Not determined.
- **Initial boiling point and boiling range:** Undetermined.

· **Flash point:** Not applicable.

· **Flammability (solid, gas):** Product is not flammable.

· **Ignition temperature:** >320 °C

· **Decomposition temperature:** Not determined.

· **Auto-ignition temperature:** Product is not self-igniting.

· **Explosive properties:** Product does not present an explosion hazard.

· **Explosion limits:**

- **Lower:** 1.0 Vol %
- **Upper:** 10.0 Vol %

· **Vapour pressure @ 20 °C:** <0.5 Pa (estimated value)

· **Density @ 20 °C:** 0.9 g/cm<sup>3</sup>

· **Relative density:** Not determined.

· **Vapour density:** Not applicable.

· **Evaporation rate:** Not applicable.

· **Solubility in / Miscibility with water:**

Negligible

· **Partition coefficient: n-octanol/water:** >6.0 log POW (based on similar products)

· **Viscosity:**

· **Dynamic:** Not applicable.

· **Other information** No further relevant information available.

### 10 Stability and Reactivity

· **Reactivity:** No further relevant information available.

· **Chemical stability:** Stable under normal conditions.

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Possibility of hazardous reactions:** Reacts with oxidising agents.

· **Conditions to avoid:** Extremes of temperature and direct sunlight.

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- **Incompatible materials:** Strong oxidizing agents.
- **Hazardous decomposition products:** No dangerous decomposition products known.

**11 Toxicological Information**

- **Information on toxicological effects**
- **Acute toxicity**
- **LD/LC50 values relevant for classification:**
  - LD50 (rat): > 5,000 mg/kg
  - LD50 (Rabbit): > 5,000 mg/kg
- **Primary irritant effect:**
- **Skin corrosion/irritation** Mild irritant effect.
- **Serious eye damage/irritation** Mild irritant effect.
- **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

**12 Ecological Information**

- **Toxicity**
- **Aquatic toxicity:**
  - Toxicity to fish (Acute toxicity): Remarks: Expected to be practically non toxic: LL/EL/IL50 > 100 mg/l
  - Toxicity to crustacean (Acute toxicity): Remarks: Expected to be practically non toxic: LL/EL/IL50 > 100 mg/l
  - Toxicity to algae/aquatic plants (Acute toxicity): Remarks: Expected to be practically non toxic: LL/EL/IL50 > 100 mg/l
  - Toxicity to fish (Chronic toxicity): Remarks: Data not available
  - Toxicity to crustacean (Chronic toxicity): Remarks: Data not available
  - Toxicity to microorganisms (Acute toxicity)
- **Persistence and degradability:**

Expected to be not readily biodegradable. Major constituents are expected to be inherently biodegradable, but contains components that may persist in the environment.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential:** Contains components with the potential to bioaccumulate.
- **Mobility in soil:**

Semi-solid under most environmental conditions. If it enters soil, it will adsorb to soil particles and will not be mobile. Floats on water.
- **Additional ecological information:**
- **General notes:**

Product is a mixture of non-volatile components, which are not expected to be released to air in any significant quantities. Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential. Poorly soluble mixture. May cause physical fouling of aquatic organisms. Mineral oil is not expected to cause any chronic effects to aquatic organisms at concentrations less than 1 mg/l.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

**13 Disposal considerations**

- **Waste treatment methods**
- **Recommendation:**

Observe all federal, state and local environmental regulations when disposing of this material.

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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

**14 Transport information**

- **UN-Number**
- **ADG, ADN, IMDG, IATA** Non-Regulated Material
- **UN proper shipping name**
- **ADG, ADN, IMDG, IATA** Non-Regulated Material
- **Transport hazard class(es)**
- **ADG, ADN, IMDG, IATA**
- **Class** Non-Regulated Material
- **Packing group**
- **ADG, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.
- **UN "Model Regulation":** Non-Regulated Material

**\* 15 Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Chemicals known to cause cancer:**

None of the ingredients are listed.

· **Australian Inventory of Chemical Substances**

All ingredients are listed.

· **Standard for the Uniform Scheduling of Medicines and Poisons**

None of the ingredients are listed.

- **GHS label elements** Non-Regulated Material
- **Hazard pictograms** Non-Regulated Material
- **Signal word:** Non-Regulated Material
- **Hazard statements:** Non-Regulated Material

· **Directive 2012/18/EU** Substance is not listed.

· **Named dangerous substances - ANNEX I** None of the ingredients are listed.

· **National regulations:**

The product is not subject to be labelled according with the prevailing version of the regulations on hazardous substances.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of last revision/ revision number:** 04.09.2019 / 1

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

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ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

· **\* Data compared to the previous version altered.**SDS created by MSDS Authoring Services [www.msdsauthoring.com](http://www.msdsauthoring.com) +1-877-204-9106