MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Material Name: Apiezon® AP100 ultra high vacuum lubricating grease.
Catalogue Number: M017.
Other Names:
Recommended Use: Lubricant in high vacuum systems.

Supplier Name: **ProSciTech**
Street Address: 1/11 Carlton Street, Kirwan, Qld. 4817 Australia
Telephone Number: (07) 4773 9444 **Fax Number:** (07) 4773 2244
Emergency Contact: (07) 4773 9444 8:30am – 5:00pm, Monday to Friday

SECTION 2 - HAZARDS IDENTIFICATION

Hazard Classification: Not classified as hazardous according to criteria of NOHSC.
Hazardous and/or Dangerous Nature: NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.
Risk Phrases:
Safety Phrases:

SECTION 3 - COMPOSITION /INFORMATION ON INGREDIENTS

SUBSTANCE:
Chemical Identity: -
Common Name(s): -
CAS Number(s): -

MIXTURE:

Ingredients	Cas Number(s)	Proportion (%)
Hydrocarbon Grease	-	-

SECTION 4 - FIRST AID MEASURES

Swallowed: DO NOT induce vomiting, seek immediate medical attention.
Eye: Flush with plenty of water for at least 10 minute. If irritation persists seek medical aid.
Skin: Wash with soap and water.
Inhaled: Remove to fresh air. If rapid recovery does not occur, seek medical attention.
First Aid Facilities: Eyebath/eyewash & Safety shower.
Medical Attention & Special Treatment:

ADDITIONAL INFORMATION:

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media:
Carbon dioxide, dry powder, foam or water fog. Do not use water jets.
Hazards from Combustion Products:
May liberate toxic gases at > 300°C.
Precautions for Fire Fighters:
Wear self-contained breathing apparatus in confined areas, and appropriate protective equipment.
Hazchem Code: Not available.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Emergency Procedures:
Spilt product constitutes a slip hazard. Avoid contact with eyes.
Containment and clean up:
Place into sealable containers for disposal.

SECTION 7 - HANDLING & STORAGE

Precautions for Safe Handling:
Wear appropriate protective equipment when handling (refer to Section 8). Wash thoroughly after handling.
Conditions for Safe Storage:
Store away from naked flames. Keep containers closed when not in use. Prevent spillage and minimize

operations which will contaminate work area and equipment.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards: No exposure standard allocated.
Biological Limit Values: No biological limit allocated.
Engineering Controls:
None required in normal use.
Personal Protective Equipment:
Wear safety glasses, protective clothing and protective gloves.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Yellow grease.
Odour:	Faint oily smell.
pH:	Not available.
Vapour pressure (mm of Hg at 25°C):	Not available.
Vapour density:	Relative density at 20°C: 0.981
Boiling point/range (°C):	Not available.
Freezing/melting point (°C):	42-52°C.
Solubility:	Insoluble in water.
Specific gravity or density:	1.042 at 20°C.
Flash Point:	> 200°C.
Flammable (explosive) limits:	Not determined.
Ignition temperature:	> 250°C.
Additional Information:	

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Conditions to avoid:	Temperatures above 120°C and incompatible materials.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	May liberate toxic gases at > 300°C.
Hazardous Reactions:	Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Exposure and Health Effects:

Ingestion:
May cause nausea, vomiting and diarrhea.

Inhalation:
Low volatility makes inhalation unlikely – no known effects.

Skin Contact:
Repeated and prolonged skin contact may cause skin disorders.

Eye Contact:
May cause transient irritation.

Human/Animal data:	LD50 2g/kg – Rat Oral LD50 2g/kg – Rabbit Dermal
Carcinogenicity:	Not available.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:	When used and/or disposed of as indicated no adverse environmental effects are foreseen.
Persistence and degradability:	Slowly biodegradable in aerobic conditions. PTFE biologically inert.
Mobility:	Non volatile. Insoluble in water.
Additional Information:	

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Methods:
Product and packaging must be disposed on in accordance with local, state and federal laws. Must not be incinerated due to liberation of toxic gases at > 300°C. Unused product may be returned for reclamation.

Special Precautions:

SECTION 14 - TRANSPORT INFORMATION

UN Number: Not regulated.
UN Proper Shipping Name: Not regulated.
Class and Subsidiary risk: Not regulated.
Packing Group: Not regulated.
Special Precautions for User: Not available.
Hazchem Code: Not available.

SECTION 15 - REGULATORY INFORMATION

Poison Schedule Number: None allocated.

SECTION 16 - OTHER INFORMATION

Date of preparation of MSDS: August 10
Comments:

List of Publications referenced when creating this MSDS;

- Hazardous Substances Information System Consolidated Lists: Safe Work Australia.
- APPROVED CRITERIA FOR CLASSIFYING HAZARDOUS SUBSTANCES [NOHSC:1008(2004)] 3rd Edition: National Occupational Health and Safety Commission.
- Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:1997).
- IATA Dangerous Goods Regulations.
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)].
- Australia Standard for the Uniform Scheduling of Drugs and Poisons [SUSPD] (Australian Government Department of Health and Ageing).

This Material Safety Data Sheet (MSDS) has been prepared in compliance with the National code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)]. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. The information published in this MSDS has been compiled from the publications listed in Section 16: to the best of our ability and knowledge these publications are considered accurate. We reserve the right to revise Material Safety Data Sheets as new information becomes available. Copies may be made for non-profit use.

… End of MSDS …