

Kurt J. Lesker

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11/2/06

Material Safety Data Sheet

P110-20-160
Issue A
Date 08/96

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product Name Aplezon Grease AP101
Item No(s) H023-01-044
Synonyms None.
Intended use Lubricant in medium vacuum systems.

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SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients name	% Weight	Classification	Risk phrase	CAS No.
Refined mineral oil, thickening agent, Polytetrafluoroethylene (PFPE)	100	Non hazardous	Not applicable	65154-53-2

SECTION 3 HAZARDS IDENTIFICATION

Nature of the hazard None.
Precaution to be taken None.

SECTION 4 FIRST AID MEASURES

Skin contact Wash with soap and water.
Eyes contact Flush with water for up to 10 minutes. If irritation still persists, refer for medical attention.
Inhalation Remove to fresh air. If rapid recovery does not occur, obtain medical attention.
Ingestion Do not induce vomiting. Obtain medical attention IMMEDIATELY.
Other information None.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing media	For small fires use CO ₂ , dry chemical powder, sand or earth.
Fire fighting procedure	Wear a self-contained breathing apparatus (SCBA) in confined areas and for any significant fire.
Unusual fire fighting hazards	None.
Combustion products	Partially decomposed hydrocarbons.
Fire hazards in presence of other materials	None known.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions	Spill product constitutes a slip hazard.
Environmental precautions	None.
Decontamination procedures	Place in containers. Refer to Section 13 regarding disposal.

SECTION 7 HANDLING AND STORAGE

Store away from naked flames.
Keep containers tightly closed when not in use.
Prevent spillage and minimise operations which will contaminate work area and equipment.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures	None required in normal use.
Exposure limits:	
Mineral oil (mist)	5 mg/m ³ 8-hour TWA, 10 mg/m ³ STEL.
Personal protective equipment	
Respiratory protection	Not required under normal conditions.
Eye protection	Use safety glasses.
Hand protection	Protective gloves are optional.
Other requirements	Overalls laundered regularly.
Hygiene measures	Store away from heat.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odour	Yellow grease	Auto ignition (°C)	Not determined
Boiling point (°C)	Not applicable	pH (as supplied)	Neutral
Melting point (°C)	> 200	Vapour pressure (mbar)	8 x 10 ⁻⁶ at 20 °C
Freezing point (°C)	Not applicable	Solubility in water	Insoluble
Flash point (°C)	> 250	Volatile content by volume	None
Flash point method	Not known	Specific gravity (H ₂ O=1)	0.981 at 20 °C

SECTION 10 STABILITY AND REACTIVITY

Stability	Will not polymerise.
Conditions to avoid	Temperatures > 200 °C.
Materials to avoid	Strong oxidising agents.
Hazardous decomposition products	May liberate toxic gases at > 500 °C.

SECTION 11 TOXICOLOGICAL INFORMATION

Possible health effects

Skin	Repeated and prolonged skin contact may cause skin disorders.
Eyes	May cause transient irritation.
Inhalation	Low volatility makes inhalation unlikely.
Ingestion	May cause nausea, vomiting and diarrhoea.

Other health hazard information

Animal data

LD50 value	Oral > 2 g/kg (rat). Dermal > 2 g/kg (rabbit).
LC50 value	Not known, but believed low toxicity.

Carcinogenic

No.

SECTION 12 ECOLOGICAL INFORMATION

Environmental	When used and/or disposed of as indicated no adverse environmental effects are foreseen.
Mobility	Non-volatile. Insoluble in water.
Degradeability	Petrolatum base slowly biodegradeable in aerobic conditions. PTFE biologically inert.

SECTION 13 DISPOSAL CONSIDERATIONS

Product and packaging must be disposed of in accordance with local and national regulations. Must not be incinerated due to the liberation of toxic gases at >500 °C. Unused product may be returned for reclamation.

SECTION 14 TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

SECTION 15 REGULATORY INFORMATION

This product has been classified in accordance with the Dangerous Substances Directive (67/548/EEC, as amended) and the Preparations Directive (88/379/EEC, as amended), implemented in the UK as the Chemical (Hazard Information and Packing) Regulations 1993 (CHIP).

Dangerous for supply	No.
Risk phrases	Not applicable.
Safety phrases	Not applicable.
Symbols	Not applicable.

SECTION 16 OTHER INFORMATION

The format of this data sheet complies with the requirements of ANSI Z400.1 and the EC Safety Data Sheets Directive (91/155/EEC).

Glossary: CAS - Chemical Abstract Services; LC - Lethal Concentration; LD - Lethal Dose; TLV - Threshold Limit Value.

Sources of data: