

# MATERIAL SAFETY DATA SHEET

**Product Name:** Apiezon® L Vacuum Grease  
**Catalog Number:** 110506  
**MSDS Update:** 10/24/05



**Distributed By:**  
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## HAZARDOUS COMPONENTS

	CAS Number	Percent	Exposure Limits
Yellow Petroleum BP Grade Hydrocarbon Grease	8012-95-1		

## COMPOSITION

Composition: Hydrocarbon Grease  
Hazardous ingredients: None  
NFPA Rating: Not Known

## PHYSICAL AND CHEMICAL DATA

Physical State: Semi-solid  
Odor: None  
Flash Point: >250° C (482°F)  
Boiling Point: Not Applicable  
Explosive Limits: Not Applicable  
Solubility in Water: Insoluble  
Appearance and Odor: Yellow Brown  
Melting Point: does not melt  
Autoignition Point: > 260°C (500°F)  
pH: Not Applicable  
Vapor Pressure: Not Applicable  
Viscosity: Not Applicable  
Relative density @ 20°C (68°F): 0.896  
Octanol/Water Partition Coefficient in Kow: Specific value not known  
Evaporation Rate: Not known but it is very low

## FIRE AND EXPLOSION HAZARD DATA

Flammability classification: Not classified. Grease will not ignite or burn readily.  
Flash Point: Not Applicable  
Auto-Ignition Temp.: >250°C (482°F)  
Flammable Limits: Lower: Not Applicable  
Upper: Not Applicable  
Hazardous Combustion Products: None Known  
Special Conditions to Avoid:  
Materials to Avoid: Strong oxidizing agents  
Conditions to Avoid: Temperatures >120°C (248°F)  
Extinguishing Media: Use dry chemicals, CO<sub>2</sub>, foam, water fog. Do not use water jets.  
Special Fire Fighting Procedures: None known  
Special Protective Equipment: None needed

## **HEALTH HAZARD DATA**

*Emergency Overview:* This material is not classified hazardous by OSHA Hazard Communication Definition  
*Signal Word:* CAUTION!  
*Physical Health Hazards:* Spilled product constitutes a slip hazard  
*Physical State:* Semi-solid  
*Color:* Yellow Brown  
*Odor:* None  
*Odor Threshold:* No data available  
*Potential Health Effects:* Eye contact and ingestions are highly unlikely.

## **EMERGENCY AND FIRST AID**

*Take proper precautions to ensure your own health and safety before attempting to rescue and providing first aid. For specific information refer to the Emergency Overview in Section of this MSDS.*

*Inhalation:* None envisaged  
*Eye Contact:* Wash eyes with clean low-pressure water. If irritation persists, seek medical advice.  
*Skin Contact:* None envisages  
*Ingestion:* Do not induce vomiting, seek medical attention at once.

## **REACTIVITY DATA**

*Stability:* This product is stable and will not polymerize  
*Conditions to Avoid* Temperatures >120 ° (248°F)  
*Incompatibility:* Strong oxidizing agents.  
*Hazardous Decomposition Products:* Not expected to decompose under normal conditions, but if it does occur, there can be trace amounts of polycyclic hydrocarbons.  
*Reactions with Air and Water:* Does not react with air, water or other common materials.

## **SPILL, DISPOSAL AND STORAGE INFORMATION**

*Personal precautions:* Spilled product constitutes a slip hazard  
*Environmental precautions:* None  
*Handling:* No special precautions required  
*Storage:* Keep cap tightly screwed on to protect integrity of the product. No other precautions need be taken.  
*Disposal:* Product and packaging must be disposed of in accordance with local and national regulations. May be incinerated. This material is NOT classified as a hazardous material by RCRA. Use only licensed transporters and permitted disposal facilities and conform to all laws.

## **PROTECTIVE EQUIPMENT AND CONTROL MEASURES**

*Substance Source:* 8hr TWA STEL  
*Mineral Oil (mist)* 5mg/m<sup>3</sup> 10mg/m<sup>3</sup> EH40  
*Engineering Controls:* None required.  
*Personal Protection:* Wash hands after use, using soap and water to remove all residues of the grease. Avoid long exposure, so washing should be done fairly immediately after using.  
*Skin:* Special protection not required.  
*Eye:* Always use safety glasses, when conducting any laboratory activities, including the use of vacuum grease lubricants.

## **TOXICOLOGICAL INFORMATION**

*Based on the product's components:*

*Oral LD<sub>50</sub> (rat):* >2 g/kg. *Dermal LD<sub>50</sub> (Rabbit)* >2 g/kg

*Acute Health Effects:*  
*Eyes:* May cause transient irritation.  
*Inhalation:* Low volatility makes inhalation unlikely  
*Ingestion:* May cause nausea, vomiting and diarrhea.

*Chronic Health Effects:*

[illegible]

***OTHER INFORMATION:***

Disclaimer of Liability:

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