

Material Safety Data Sheet

Apiezon[®] H Vacuum Grease

Section 1: Identification



Date Effective... October 24, 2005
(most recent revision)

Chemical Name.... Dark brown petroleum hydrocarbons, inert mineral
filler and high molecular weight polymer

Chemical family.. Petroleum hydrocarbons

Emergencies

Contacting CHEMTREC:

24 Hour Emergency Use Only #'s... Worldwide phone: 1-(703)-527-3887
Worldwide FAX: 1-(703)-741-6090
Toll-free phone: 1-(800)-424-9300 USA only

Product or Trade Name... SPI # **05097-AB** Apiezon[®] H Vacuum Grease

CAS #..... 8012-95-1, 68953-58-2

Chemical Formula..... Petroleum hydrocarbons

Section 2 Composition

Composition: Hydrocarbon grease

Hazardous Ingredients: None

NFPA Rating: Not known

Section 3: Hazard Identification

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: Dark brown

Odor: None

Odor threshold: No data available

Potential Health Effects:

Routes of exposure:

Eye contact, ingestion, skin contact but all are highly unlikely.

Section 4: First Aid Measures

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 envisaged

Inhalation: None envisaged

Ingestion: Do not induce vomiting, seek medical attention at once.

Section 5: Fire Fighting Measures

Flammability classification:

Not classified. Grease will not ignite or burn readily.

Flash Point/Method: Not applicable

Auto-Ignition Temperature: >320°C (608°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 > 250°C (482°F)

Extinguishing Media:

Use dry chemicals, CO2, foam, water fog. Do not use water jets.

Fire Fighting Instructions:

Special exposure hazards: None known

Special protective equipment: None needed

Section 6: Accidental Release Measures

Release response:

Personal precautions: Spilled product constitutes a slip hazard.

Environmental precautions: None

Decontamination procedures: Place in containers.
See paragraph 13 regarding disposal.

Section 7: Handling and Storage

Handling: No special precautions required.

Storage: Keep cap tightly screwed on to protect integrity of the product. No other precautions need be taken.

Section 8: Exposure Controls and Personal Protection

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.

Section 9: Physical and Chemical Properties

Physical State: Semi-solid
Odor: None
Flash Point: > 260°C (500°F)
Boiling Point/Range: Not applicable
Explosive Limits: Not determined
Water Solubility: Not soluble
Color: Dark brown
Melting Point: Does not melt
Autoignition Point: > 320°C (608°F)

pH: Not applicable
Vapor Pressure: Not applicable
Viscosity: Not applicable

Relative density @ 20°C (68°F): 0.918

Octanol/Water Partition Coefficient in Kow: Specific value not known

Evaporation Rate: Not known but it is very low

Section 10: Stability and Reactivity

Chemical Stability: The product is stable and will not polymerize.

Conditions to Avoid: Temperatures >250°C (482°F)

Incompatibility with: Strong oxidizing agents.

Hazardous Products of Deposition: 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.

Section 11: Toxicological Information

Based on the product's components:

Oral LD₅₀ (rat): >2 g/kg. Dermal LD₅₀ (Rabbit) > 2g/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:

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

Chronic Effects/Carcinogenicity: None expected

Reproductive/Development Effects: No reproductive or developmental effects are expected.

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.

Degradability: Slowly biodegradable in aerobic conditions.

Section 13: Disposal Considerations

Product and packaging must be disposed of in accordance with local and national regulations. May be incinerated. Unused product may be returned for reclamation provided it has been purchased from SPI Supplies. Contact SPI Supplies sending information about lot number and approximate time of purchase.

This material is NOT classified as a hazardous material by RCRA. Use only licensed transporters and permitted disposal facilities and conform to all laws.

Section 14: Transport Information

Not classified as hazardous for transport by air, sea, or road.

Proper Shipping Name: Not specified.

DOT Hazard Class: Non-Regulated
UN/NA ID: Not Regulated
Packing Group: Not Applicable
Labels: Not Regulated
Marine Pollutant: No
NAER Guidebook: Not Regulated
DOT Status: Not Regulated

Section 15: Regulatory Information

TSCA: All components of this product are listed on the TSCA 8(b) inventory. If identified components of this product are listed under the TSCA 12(b) Export Notification Rule, they will be listed below.

TSCA 12(b) Component	Listed under TSCA Section
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SARA-Section 313 Emissions Reporting:

Component	Reporting Threshold
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SARA-Section 311/312: No components present in this product are subject to the reporting requirements of this statute.

CERCLA Hazardous Substances and their Reportable Quantities:

Component	Reportable Quantity
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California Prop. 65:

Proposition 65 requires manufacturers or distributors of consumer products into the State of California to provide a warning statement if the product contains ingredients for which the State has found to cause cancer, birth defects or other reproductive harm. If this product contains an ingredient listed by the State of California to cause cancer or reproductive toxicity, it will be listed below:

No such components in this product.