micromeritics®

# SAFETY DATA SHEET

# VACUUM GREASE APIEZON H, 25-G TUBE

**Date of Preparation:** 07/01/2014

**SDS #: 004-16007-00MSDS**

## SECTION 1: IDENTIFICATION

**Product Identification:** Vacuum Grease Apiezon H
**CAS Number:** 65154-51-0
**Other Designations:** Not applicable
**Volumes:** 25-G tube
**Recommended Use:** Lubricant
**Restrictions:** For laboratory use only.
**Supplier Information:**

| | | |
|---|---|---|
| Micromeritics Instrument Corp. | Contact: | Human Resources |
| 4356 Communications Drive | Phone: | (770) 662-3620 |
| Norcross, GA 30093-2901 USA | Fax: | (770) 662-3696 |

**Manufacturer:** M&I Materials Ltd., PO Box 136 , Manchester, M60 1 AN, UK Phone: 44 (0) 161 875 4313

## SECTION 2: HAZARDS IDENTIFICATION

**GHS Classification:** None
**Signal word:** None
**Hazard Statements:**
H303: May be harmful if swallowed
H320: Causes eye irritation

**Pictograms:** Not applicable

**Precautionary Statements:**
P302+350: IF ON SKIN: Gently wash with soap and water
P337+313: If eye irritation persists get medical advice/attention

**Potential Health Effects**
**Acute Effects:**
**Inhalation:** Low volatility makes inhalation unlikely
**Eye:** May cause transient irritation.
**Skin:** Repeated and prolonged skin contact may cause skin disorders.
**Ingestion:** May cause nausea, vomiting and diarrhea.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient Name | CAS Number | % wt or % vol. |
|---|---|---|
| High mol. Wt. Petroleum | 65154-51-0 | NA |
| Hydrocarbons, inert mineral filler | | NA |
| High mol. Wt. Polymer | | NA |

**Trace Impurities:**

| | OSHA PEL | | ACGIH TLV | | NIOSH REL | | NIOSH |
|---|---|---|---|---|---|---|---|
| **Ingredient** | **TWA** | **STEL** | **TWA** | **STEL** | **TWA** | **STEL** | **IDLH** |
| Mineral Oil mist | 5 $mg/m^3$ | 10 $mg/m^3$ | none estab. | none estab. | none estab. | none estab. | none estab. |

## SECTION 4: FIRST-AID MEASURES

**Inhalation:** None envisaged due to the low vapor pressure of the substance.
**Skin:** Wash with soap and water.
**Eyes:** Irrigate with copious amounts of water.
**Ingestion:** Do not induce vomiting, obtain medical attention.

**Potential Acute Health Affects**
**Inhalation:** There are no significant effects or critical hazards known.
**Ingestion:** Irritating to mouth, throat and stomach.
**Skin Contact:** No specific data.
**Eye Contact:** Can cause eye irritation.

**Over Exposure Signs/Symptoms**
**Inhalation:** No specific data.
**Ingestion:** No specific data.
**Skin:** No specific data.
**Eyes:** Adverse symptoms may include the following: Pain or irritation, watering, redness.

**Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary:**
**Specific Treatments:** No specific treatment.
**Notes to Physician:** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested.
**Protection of First-Aiders:** No action shall be taken involving any personal risk or without suitable training.

## SECTION 5: FIRE-FIGHTING MEASURES

**Flash Point:** (260°C)
**Flammability Classification:** Not applicable
**Extinguishing Media:** Carbon dioxide, dry powder, foam or water fog. Do not use water jets.
**Unusual Fire or Explosion Hazards:** None
**Hazardous Combustion Products:** None
**Fire-Fighting Instructions:** None

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Spilt product constitutes a slip hazard. Avoid contact with eyes.

**Environmental precautions:** No special precautions required.

**Methods and material for containment and cleaning up:** Can be wiped from surfaces and residues cleaned with water and detergent.

## SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling:** No special precautions required.
**Conditions for safe storage, including any incompatibilities:** No special precautions required.
**Specific end use(s):** No special precautions required.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters:** No relevant control parameters.

**Exposure controls:** The level of controls depends on the use. In most cases very small quantities of material are used. Eye washes should be available for emergency use.

**Respiratory protection:** None required.

**Hand protection:** Wash hands after use. For prolonged or repeated skin contact gloves are recommended.

**Eye protection:** None required.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Semi solid
**Appearance and Odor:** Dark brown, no odor
**Odor Threshold:** NDA
**Vapor Pressure:** NDA
**Vapor Density (Air=1):** Not applicable
**Formula Weight:** Not applicable

**Water Solubility:** Insoluble
**Other Solubilities:** N/A
**Boiling Point:** NIDA
**Freezing/Melting Point:** does not melt
**Viscosity:** Not applicable
**Autoignition Point:** >320˚C

**Density:** @20˚C: 0.918
**Specific Gravity**: Not applicable
**pH**: NDA
**Surface Tension:** Not applicable
**% Volatile:** Not applicable
**Evaporation Rate:** Not applicable

## SECTION 10: STABILITY AND REACTIVITY

**Stability:** Will not polymerize.
**Chemical Incompatibilities:** Strong oxidizing agents.
**Conditions to Avoid:** Temperatures > 250°C
**Hazardous Decomposition Products:** Trace amount of polycyclic hydrocarbons.

## SECTION 11: TOXICOLOGICAL INFORMATION

**Likely routes of exposure:** Skin and eyes are the most likely routes for exposure.
Accidental ingestion may occur. Inhalation is not expected to be a relevant route of exposure.
**Acute oral toxicity:** Low toxicity: LD50 >2000mg/kg
**Acute dermal toxicity:** Expected to be of low toxicity: LD50 >2000mg/kg
**Acute inhalation toxicity:** Low volatility makes inhalation unlikely
**Skin corrosion/irritation:** Repeated and prolonged skin contact may cause dry skin or irritation.
**Eye corrosion/irritation:** May cause transient irritation.
**Respiratory or skin sensitization:** Not expected to be a skin sensitizer.
**Aspiration hazard:** Not considered an aspiration hazard.
**Carcinogenicity/mutagenicity:** Not considered a mutagenic hazard or carcinogen.

## SECTION 12: ECOLOGICAL INFORMATION

When used and/or disposed of as indicated no adverse environmental effects are foreseen.
Ecotoxicological effects based on knowledge of similar substances.

**Toxicity:** Expected to be practically non-toxic.
**Persistence and degradability:** Inherently biodegradable.
**Bioaccumulative potential:** Has the potential to bioaccumulate.
**Mobility in soil:** Product has low mobility in soil.
**Results of PBT and vPvB assessment:** The product does not meet criteria for toxicity which requires further assessment. It is not considered PBT or vPvB.
**Other adverse effects:** No other adverse effects envisaged.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste treatment methods:**
Product and packaging must be disposed of in accordance with local and national regulations. May be incinerated. Unused product may be returned for reclamation.

## SECTION 14: TRANSPORT INFORMATION

**DOT Transportation Data (49 CFR 172.101):**

**Shipping Name:** Not regulated
**Shipping Symbols:** Not Applicable
**Hazard Class:** Not regulated
**ID No.:** Not regulated
**Packing Group:** Not Applicable
**Label:** Not Applicable
**Special Provisions (172.102):**
Not Applicable

**Packaging Authorizations**
**a) Exceptions:** Not Applicable
**b) Non-bulk Packaging:** Not Applicable
**c) Bulk Packaging:** Not Applicable

**Quantity Limitations**
**a) Passenger, Aircraft, or Railcar:** Not Applicable
**b) Cargo Aircraft Only:** Not Applicable

**Vessel Stowage Requirements**
**a) Vessel Stowage:** Not Applicable
**b) Other:** Not Applicable

## SECTION 15: REGULATORY INFORMATION

**State Regulations:** None required.

## SECTION 16: OTHER INFORMATION

**Prepared By:** Zuniga, A.
**Revision Notes:** Not Applicable
**Additional Hazard Rating Systems:** Not Applicable

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