

# MATERIAL SAFETY DATA SHEET

MSDS DATE 07/08/2007

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: APIEZON H GREASE  
SYNONYMS: NOT AVAILABLE  
PRODUCT CODES : 60703

MANUFACTURER: ELECTRON MICRSCOPY SCIENCES  
1560 INDUSTRY ROAD/P.O. BOX 550  
DIVISION: HATFIELD PA 19440  
ADDRESS:

EMERGENCY PHONE: 215-412-8400  
CHEMTREC PHONE: 800-424-9300  
OTHER CALLS:  
FAX PHONE: 215-412-8450

CHEMICAL NAME: APIEZON GREASE  
CHEMICAL FAMILY:  
CHEMICAL FORMULA: HYDROCARBON GREASE

PRODUCT USE: VACUUM GREASE

### SECTION 1 NOTES:

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## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

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INGREDIENT:  
HYDROCARBON GREASE

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
8012-95-1	NOT AVAILABLE		

THIS PRODUCT IS NOT CLASSIFIED AS HAZARDOUS

	<u>ppm</u>	<u>mg/m3</u>
OSHA PEL-TWA:		
OSHA PEL STEL :	NOT AVAILABLE	
OSHA PEL CEILING:		
ACGIH TLV-TWA:		
ACGIH TLV STEL:		
ACGIH TLV CEILING:		

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## SECTION 3: HAZARDS IDENTIFICATION

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### EMERGENCY OVERVIEW:

### POTENTIAL HEALTH EFFECTS

EYES: MAY CAUSE TRANSIENT IRRITATION

SKIN: REPEATED AND PROLONGED SKIN CONTACT MAY CAUSE SKIN DISORDERS

INGESTION: MAY CAUSE NAUSEA, VOMITING AND DIARRHEA

INHALATION: LOW VOLATILITY MAKES INHALATION UNLIKELY

ACUTE HEALTH HAZARDS: SKIN: REPEATED AND PROLONGED SKIN CONTACT  
MAY CAUSE SKIN DISORDERS.

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## CARCINOGENICITY

OSHA:  
OTHER:

ACGIH:  
NOT AVAILABLE

NTP:

IARC:

## SECTION 3 NOTES:

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## SECTION 4: FIRST AID MEASURES

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EYES: IRRIGATE WITH COPIOUS QUANTITIES OF WATER

SKIN: NONE ENVISAGED

INGESTION: NONE ENVISAGED

INHALATION: NONE ENVISAGED

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: DO NOT INDUCE VOMITING. OBTAIN MEDICAL ATTENTION.

## SECTION 4 NOTES:

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## SECTION 5: FIRE-FIGHTING MEASURES

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FLAMMABLE LIMITS IN AIR, UPPER:  
(% BY VOLUME) LOWER: NOT AVAILABLE

## FLASH POINT:

F:

C:

METHOD USED: NOT AVAILABLE

## AUTOIGNITION TEMPERATURE:

F:

C:

## NFPA HAZARD CLASSIFICATION

HEALTH:

FLAMMABILITY:

REACTIVITY:

OTHER:

## HMIS HAZARD CLASSIFICATION

HEALTH:

FLAMMABILITY:

REACTIVITY:

PROTECTION:

EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY POWDER, FOAM OR WATER FOG.  
DO NOT USE WATER JETS.

SPECIAL FIRE FIGHTING PROCEDURES: NONE

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

HAZARDOUS DECOMPOSITION PRODUCTS: NONE

## SECTION 5 NOTES:

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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ACCIDENTAL RELEASE MEASURES: NONE

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## SECTION 7: HANDLING AND STORAGE

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HANDLING AND STORAGE: NO SPECIAL PRECAUTIONS REQUIRED

OTHER PRECAUTIONS: NO SPECIAL PRECAUTIONS REQUIRED

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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ENGINEERING CONTROLS: NONE REQUIRED

VENTILATION : NOT AVAILABLE

RESPIRATORY PROTECTION: NOT AVAILABLE

EYE PROTECTION: NOT AVAILABLE

SKIN PROTECTION: NOT AVAILABLE

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NOT AVAILABLE

WORK HYGIENIC PRACTICES: WASH HANDS AFTER USE. AVOID PROLONGED EXPOSURE

EXPOSURE GUIDELINES: NONE ALLOCATED

SECTION 8 NOTES:

NOT FLAMMABLE UNDER NORMAL CONDITIONS OF USE.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE: SEMI SOLID, BROWN IN COLOR

ODOR: NONE

PHYSICAL STATE: SEMI SOLID

pH AS SUPPLIED: NOT AVAILABLE

pH (Other):

AUTOIGNITION POINT: »320°C

RELATIVE DENSITY @ 20°C: 0.918

MELTING POINT:

F: DOES NOT MELT

C:

FLASH POINT: »260°C

WATER SOLUBILITY: INSOLUBLE

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

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SOLUBILITY IN WATER: IN SOLUBLE

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PERCENT SOLIDS BY WEIGHT: NOT AVAILABLE

PERCENT VOLATILE:

BY WT/ BY VOL @

F:

C:

VOLATILE ORGANIC COMPOUNDS (VOC):

WITH WATER: LBS/GAL NOT AVAILABLE

WITHOUT WATER: LBS/GAL

MOLECULAR WEIGHT:

VISCOSITY:

@

F:

C:

NOT AVAILABLE

SECTION 9 NOTES:

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## SECTION 10: STABILITY AND REACTIVITY

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STABLE

UNSTABLE

STABILITY:

CONDITIONS TO AVOID (STABILITY): WILL NOT POLYMERIZE

INCOMPATIBILITY (MATERIAL TO AVOID): STRONG OXIDISING AGENTS

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: TRACE AMOUNT OF POLYCYCLIC HYDROCARBONS

HAZARDOUS POLYMERIZATION: NONE

CONDITIONS TO AVOID (POLYMERIZATION): TEMPERATURES >250°C

SECTION 10 NOTES:

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## SECTION 11: TOXICOLOGICAL INFORMATION

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TOXICOLOGICAL INFORMATION: NOT AVAILABLE

SECTION 11 NOTES:

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## SECTION 12: ECOLOGICAL INFORMATION

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ECOLOGICAL INFORMATION: WHEN USED AND OR DISPOSED OF AS INDICATED NO ADVERSE ENVIRONMENTAL EFFECTS ARE FORESEEN.

SECTION 12 NOTES:

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## SECTION 13: DISPOSAL CONSIDERATIONS

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DISPOSAL METHOD: PRODUCT AND PACKAGING MUST BE DISPOSED OF IN ACCORDANCE WITH THE LOCAL AND NATIONAL REGULATIONS. MAY BE INCINERATED.

RCRA HAZARD CLASS: NOT AVAILABLE

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## SECTION 13: DISPOSAL CONSIDERATIONS (con't)

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SECTION 13 NOTES: NOTE ABOVE

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## SECTION 14: TRANSPORT INFORMATION

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### U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER: NOT CLASSIFIED BY AIR, SEA, OR ROAD.

PACKING GROUP:

LABEL STATEMENT:

### WATER TRANSPORTATION

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENTS:

### AIR TRANSPORTATION

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENTS:

OTHER AGENCIES:

SECTION 14 NOTES:

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## SECTION 15: REGULATORY INFORMATION

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### U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT):

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

311/312 HAZARD CATEGORIES:

313 REPORTABLE INGREDIENTS:

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SECTION 15 NOTES:

ALL CHEMICAL SUBSTANCES IN THIS MATERIAL ARE INCLUDED ON THE TSCA INVENTORY OF CHEMICAL SUBSTANCES.

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## SECTION 16: OTHER INFORMATION

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OTHER INFORMATION:

PREPARATION INFORMATION:

DISCLAIMER: