

# MATERIAL SAFETY DATA SHEET: PENETRATING SPRAY GREASE

DATE OF ISSUE: 07/15/1998

SUPERCEDES: 19 /

## SECTION I - GENERAL INFORMATION

**Chemical Name & Synonyms:**

APOLLO "PENETRATING SPRAY GREASE" #293

**Chemical Family:**

AEROSOL PETROLEUM LUBRICANT

**Manufacturer's Name:**

Apollo Industries, Inc.

**Address:**1850 S. Cobb Indust Blvd  
Smyrna, GA 30082**Trade Name & Synonyms:**

PENETRATING SPRAY GREASE

**Formula Mixture:** X**Prepared By:**

B ABBOTT/CHEMIST

**Product Code Number**

500142

**Emergency Phone Number**

770-433-0210

## SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

Chemical Name (Ingredients)	Hazard	TLV	PEL	STEL	CAS #
BUTANE	FLAMMABLE	800 PPM 1.	N.E. 2.	NOT EST.	74-98-6
HEXANE	FLAM/IRR	50 PPM 1.	50 PPM 2.	NOT EST.	110-54-3
PROPANE	ASPHYX.	N/E 1.	1000PPM 2.	NOT EST.	74-98-6

## SECTION III - PHYSICAL DATA

<b>Boiling Point (f):</b>	N.E.	<b>Specific Gravity (H2O=1):</b>	0.675
<b>Vapor Pressure (MM HG):</b>	50	<b>Color:</b>	RED
<b>Vapor Density (Air=1):</b>	>1	<b>Odor:</b>	HEXANE
<b>PH @ 100% :</b>	N/A	<b>Clarity</b>	OPAQUE
<b>% Volatile by Volume:</b>	75	<b>Evaporation Rate (BU A/C=1):</b>	SLOWER
<b>H2O Solubility:</b>	NEGLIGABLE	<b>Viscosity:</b>	N.E.

## SECTION IV - FIRE AND EXPLOSION HAZARD

<b>Flash Point:</b>	<b>Flammable Limits:</b>	<b>LEL:</b>	<b>UEL:</b>
<73°F. * / SETA	HEXANE	1.2	7.5
<b>Extinguishing Media:</b>			
Foam: X      Alcohol Foam:	CO2: X      Dry Chemical: X	Water Spray:	Other:

**Special Fire Fighting Procedures:**

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING WHEN FIGHTING FIRES.

**Unusual Fire and Explosion Hazards:**

\* DUE TO A FLAME EXTENSION OF &gt;30 INCHES AND A BURNBACK OF 3 INCHES, THIS PRODUCT IS CONSIDERED EXTREMELY FLAMMABLE.

**Aerosol Level (NFPA 30B):**

3

**NFPA Hazard Rating:**

(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

Health: 2

Flamability: 4

Reactivity: 0

Special:

## SECTION V - HEALTH HAZARD DATA

**Threshold Limit Value:**

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

**Effects of Overexposure:****-Acute(Short Term Exposure)**

INHALATION: VAPOR MAY CAUSE IRRITATION OF THE NOSE AND THROAT, DROWSINESS, DIZZINESS, LOSS OF COORDINATION, FATIGUE, DISORIENTATION, HEADACHE, ANESTHESIA, IRREGULAR HEARTBEAT. EYES: MAY CAUSE IRRITATION, BURNING SENSATION, TEARING, REDNESS. COMPRESSED LIQUID MAY CAUSE FREEZE BURNS. SKIN: MAY CAUSE IRRITATION BY DEFATTING. COMPRESSED LIQUID CAN CAUSE FREEZE BURNS. INGESTION: MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT, DROWSINESS, DIZZINESS, LOSS OF COORDINATION AND FATIGUE. COMPRESSED LIQUID MAY CAUSE FREEZE BURNS TO MUCOUS MEMBRANES. ASPIRATION DURING INGESTION OR VOMITING MAY CAUSE PULMONARY DAMAGE OR DEATH.

**-Chronic (Long Term Exposure)**

PROLONGED CONTACT MAY CAUSE EYE DAMAGE. PROLONGED OR REPEATED INHALATION CAN CAUSE VISUAL DISTURBANCES AND DAMAGE TO PERIPHERAL NERVES. TARGET ORGANS: EYES.

**Primary Routes of Entry:** Inhalation: X Ingestion: Absorption:

**Emergency and First Aid Procedures:**

**-Inhalation:**

REMOVE FROM THE AREA TO FRESH AIR. SEEK MEDICAL ATTENTION IF RESPIRATORY IRRITATION DEVELOPS OR IF BREATHING BECOMES DIFFICULT.

**-Eye Contact:**

RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING WITH PLENTY OF WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

**-Skin Contact:**

WASH AFFECTED AREAS WITH PLENTY OF SOAP AND WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

**-Ingestion:**

GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. GET IMMEDIATE MEDICAL ATTENTION IF DISCOMFORT OCCURS.

**-Notes to Physician:**

ASPIRATION DURING INGESTION OR VOMITING CAN CAUSE PULMONARY DAMAGE OR DEATH.

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**SECTION VI - TOXICITY INFORMATION**

**Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:**

IARC: No	NTP: No	OSHA: No	ACGIH: No	OTHER: No
<b>HEXANE</b>				
EYE-RBT 10MG MLD		3.		
ORL-RAT LD50: 28,710 MG/KG		3.		
IHL-MUS LCLO: 120 G/M3		3.		
<b>PROPANE</b>				
NO DATA AVAILABLE				
<b>BUTANE</b>				
NO DATA AVAILABLE				

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**SECTION VII - REACTIVITY DATA**

**Stability:** Stable: X Unstable:

Contitions to Avoid: HEAT,HOT SURFACES, SPARKS, OPEN FLAME.

**Incompatibility (Materials to Avoid):**

ATRONG ACIDS, STRONG OXIDIZERS SUCH AS CHLORINE, LIQUID OXYGEN, AND SELECTED AMINES.

**Hazardous Decomposition Products:**

CARBON DIOXIDE /CARBON MONOXIDE

**Hazardous Polymerization:** May Occur: Will Not Occur: X

Contitions to Avoid: N/A

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**SECTION VIII - SPILL OR LEAK PROCEDURES**

**Steps to be Taken if Material is Released or Spilled:**

DUE TO AEROSOL PACKAGING, LARGE SPILLS ARE UNLIKELY. IN THE EVENT OF A SMALL SPILL, PICK UP THE MATERIAL WITH A SUITABLE CLOTH AND CLEAN AREA WITH DETERGENT.

**Waste Disposal Method(s):**

DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

**Neutralizing Agent:**

N/A

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**SECTION IX - SPECIAL PROTECTION INFORMATION****Required Ventilation:**

GENERAL EXHAUST IS ADEQUATE.

**Respiratory Protection:**

IN CASE OF HIGH CONCENTRATION OF AEROSOL SPRAY, WEAR A NIOSH/MSHA APPROVED RESPIRATOR.

**Glove Protection:**

NEOPRENE RUBBER GLOVES.

**Eye Protection:**

SAFETY GLASSES WITH SIDE SHIELDS.

**Other Protection:**

N/A

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**SECTION X - STORAGE AND HANDLING INFORMATION****Storage Temperature:**

Indoors: X

Outdoors:

Heated:

Refrigerated:

Minimum Temperature: 20°F.

Maximum Temperature: 120°F.

**Precautions to be taken in Handling and Storing:**

DO NOT USE OR STORE NEAR HEAT, HOT SURFACES, SPARKS OR OPEN FLAME. STORE IN A COOL AREA.

**Other Precautions:**

KEEP OUT OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THIS PRODUCT.

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**SECTION XI - REGULATORY INFORMATION****Chemical Name****CAS Number****Upper % Limit**

HEXANE

110-54-3

40

Those Ingredients listed above are subject to the reporting requirements of 313 of Title III & of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

**CALIFORNIA PROPOSITION 65**

WARNING: This product contains the following chemical(s) know to the State of California to cause (1)Cancer or (2)Birth Defects or other reproductive harm. THIS PRODUCT CONTAINS NONE

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**SECTION XII - REFERENCES**

1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 1995-1996.
2. OSHA, PEL.
3. SAX'S DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, EIGHTH EDITION, RICHARD J. LEWIS, SR.
4. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, MICROMEDEX, 1995.

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