

# MSDS Material Safety Data Sheet

**THE PENRAY COMPANIES, INC.**



## PENRAY DRY GRAPHITE LUBE-7009

MSDS Number: 7009

Revision Date: 0713/2006

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### 1 PRODUCT AND COMPANY IDENTIFICATION

#### Manufacturer

The Penray Companies, Inc.

440 Denniston Ct.  
Wheeling, IL 60090

**Contact:** EH&S Manager

**Telephone Number:** 847-459-5000

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**E-Mail:**

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**Product Name:** PENRAY DRY GRAPHITE LUBE-7009  
**Revision Date:** 0713/2006  
**MSDS Number:** 7009  
**Common Name:** AEROSOL LUBRICANT CONTAINING ORGANIC SOLVENTS & HYDROCARBON PROPEL

EMERGENCY PHONE NUMBER (800) 752-7869

NFPA 704M RATING :

HEALTH:2 FIRE:4 REACTIVITY:0 SPECIAL:

O=INSIGNIFICANT 1=SLIGHT 2=MODERATE 3=HIGH 4=EXTREME

### 2 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS #	PERCENT BY WEIGHT
ACETONE	67-64-1	60-65%
PROPANE-ISOBUTANE-n-BUTANE	68476-86-8	30-35%
GRAPHITE	7782-42-5	1 - 5%
ISOPROPANOL	67-63-0	1 - 5%

### 3 HAZARDS IDENTIFICATION

**Route of Entry:** Skin absorption and inhalation  
**Target Organs:** Lungs, kidneys, liver and nervous system.  
**Inhalation:** Respiratory irritation and dizziness  
**Skin Contact:** Prolonged contact with skin can cause irritation. Repeated skin contact may cause persistent irritation and dermatitis  
**Eye Contact:** Will cause irritation upon contact.  
**Ingestion:** Product may cause discomfort, nausea, vomiting and diarrhea.

**CHRONIC HEALTH EFFECTS :** Over exposure to the ingredients in this product may cause liver abnormalities and kidney damage

**CARCINOGENICITY:** Product is not considered a carcinogen by OSHA, NTP or IARC.

**MEDICAL CONDITIONS:** Pre-existing eye or skin conditions may be aggravated by over-exposure to this product.

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### 4 FIRST AID MEASURES

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. Seek medical attention. Inhalation hazard unlikely due to low volatility of product.

**Skin Contact:** Wash area with soap and water. seek medical attention if irritation persists

**Eye Contact:** Immediately flush eyes with plenty of water for 15 minutes. Seek medical attention.

**Ingestion:** DO NOT induce vomiting. Only give CONSCIOUS victim two glasses of water and seek medical attention. NEVER give UNCONSCIOUS anything by mouth.

### 5 FIRE FIGHTING MEASURES

**Flash Point:** < 0 degrees F  
**Flash Point Method:** TCC

**EXTINGUISHING MEDIA:** Carbon Dioxide ( CO2) Dry Chemical, Foam.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Vapors are heavier than air and can collect in low areas

**FIRE FIGHTING INSTRUCTIONS:** Containers can build up pressure if exposed to fire. Containers should be cooled with water supply.

**FIRE FIGHTING EQUIPMENT:** Self- contained breathing apparatus with full face piece operated in positive pressure mode.

### 6 ACCIDENTAL RELEASE MEASURES

**SPILL/LEAK PROCEDURES:** Notify safety personnel ,evacuate all unnecessary personnel and provide adequate ventilation. If feasible, and without risk,clean-up personnel should stop leak. All clean up personnel should wear proper personal protective equipment.

**SMALL SPILLS:**Clean with inert absorbent and place in recovery drums for disposal.

**LARGE SPILLS:** Dike to prevent further migration of material. DO NOT release into waterways or sewers. Follow applicable federal and state regulations.

### 7 HANDLING AND STORAGE

**Handling Precautions:** Wash thoroughly after handling. Do not get into eyes, on skin or on clothing.. Do not smoke while using this product.Do not use near excessive heat, sparks, or open flame.

**Storage Requirements:** Store in clean, dry locations away from excessive heat. Store in areas designated for the storage of Level III aerosols according to NFPA 30B ( Manufacturing and Storage of Aerosol Products.)

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Eye wash station and safety shower.  
Strong general ventilation or local exhaust.

**Protective Equipment:** EYE: Chemical splash goggles with indirect or no ventilation.  
SKIN :Chemical resistant gloves such as nitrile.  
RESPIRATORY: Organic vapor air purifying respirator if vapors are a nuisance or if the concentrations are above PEL or TLV.  
Never eat drink or smoke in the work area.

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### 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Black liquid	<b>Boiling Point:</b>	133- 211 F
<b>Physical State:</b>	liquid	<b>Freezing/Melting Pt.:</b>	
<b>Odor:</b>	solvent	<b>Solubility:</b>	Not soluble in water
<b>pH:</b>		<b>Spec Grav./Density:</b>	0.696 -0.897
<b>Vapor Pressure:</b>	45.0 mmHG		
<b>Vapor Density:</b>	>1.0		
<b>VOC:</b>	>95%		

### 10 STABILITY AND REACTIVITY

<b>Stability:</b>	Material is stable.
<b>Conditions to avoid:</b>	Excessive heat and open flame.
<b>Materials to avoid (incompatibility):</b>	Strong oxidizing agents.
<b>Hazardous Decomposition products:</b>	Carbon Monoxide and Carbon Dioxide
<b>Hazardous Polymerization:</b>	Cannot occur.

### 11 TOXICOLOGICAL INFORMATION

LD50  
ACETONE 10.7 ml/kg (oral)  
ISOPROPANOL 5.8 g/kg (oral)

### 12 ECOLOGICAL INFORMATION

No data.

### 13 DISPOSAL CONSIDERATIONS

As a waste, this product in its raw form DOES MEET the criteria of a hazardous waste as defined by RCRA (40CFR361). As a waste this product can be fuel blended at a fuel blending facility. Dispose of in accordance with all applicable state, federal and local regulations.

### 14 TRANSPORT INFORMATION

DOMESTIC:  
CONSUMER COMMODITY ORM-D

EXPORT:  
AEROSOL DISPENSERS, CLASS 2.1 UN1950, LIMITED QUANTITY

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### REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

OSHA: Considered to be a hazardous material as defined by 29CFR1910.1200

EPA SARA TITLE III

Section 311-312 (40CFR370): If stored in excess of the threshold quantities, this product should be reported as a(n):

IMMEDIATE (acute) HEALTH HAZARD

DELAYED (chronic) HEALTH HAZARD

FIRE HAZARD

Section 313(40CFR372) This product does not contains ingredients which are subject to the reporting requirements of SARA 313:

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### OTHER INFORMATION

CALIFORNIA PROPOSITION 65: This product does not contain ingredients which are on the current Proposition 65 list.

**END OF MSDS DOCUMENT**