

MATERIAL SAFETY DATA SHEET

1. American Polywater Corporation

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**Product Name: P7™ Penetrating Oil
Aerosol (P7-12)**

Date Reviewed: February 12, 2008
Reviewed By: S. H. Dahlke

Emergency Number: 1-651-430-2270

2. HAZARDOUS INGREDIENTS

<u>Components**</u>	<u>CAS #</u>	<u>Weight %</u>	<u>ACGIH TLV</u>	<u>OSHA TWA</u>
Naphthenic Petroleum Oil	64742-52-5	10 - 30	NA	NA
Aliphatic Hydrocarbon	8052-41-3	<15	100 ppm	500 ppm
Acetone	67-64-1	<15	500 ppm	1000 ppm
Isobutane	75-28-5	5-15	1900 mg/m ³ **	800 ppm**
Propane	74-98-6	5-15	1800 mg/m ³	1000 ppm

* All components are TSCA listed.

** Recommended TLV based on Butane, a comparable substance.

3. HAZARDS IDENTIFICATION

Emergency Overview

Aerosol lubricant. Light amber liquid, mild hydrocarbon oil, leaving a protective coating.

Flammable. Keep away from fire and flame. Use with adequate ventilation. Do not ingest. Avoid contact with skin. In case of eye contact, flush eyes with water. Keep out of reach of children.

Eye Contact: Direct eye contact with vapors or aerosols may cause eye irritation. This irritation is minimal and expected to be transient.

Skin Contact: Skin irritant. Prolonged or repeated skin exposure can remove oils, causing redness, drying and cracking. Persons with pre-existing skin disorders may be more susceptible to skin irritation from this material.

Inhalation (Breathing): Solvent vapors from this product are expected to have a low hazard.

Ingestion (Swallowing): Content is an aspiration hazard. Material has low level of oral toxicity.

Carcinogenic Status: This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC or OSHA, nor have any of its components.

4. FIRST AID

Eye Contact: If eye irritation from exposure to vapors develops, move to fresh air. Flush eyes with clean water. If irritation persists, seek medical attention. For direct eye contact, flush with large quantity of water for 15 minutes. Seek medical attention.

Skin Contact: Remove contaminated clothing; flush skin thoroughly with water. If irritation occurs, seek medical attention.

Inhalation (Breathing): If irritation of nose or throat develops, move to fresh air. If irritation persists, seek medical attention. If breathing is difficult, provide oxygen. If not breathing, give artificial respiration. Seek immediate medical attention.

Ingestion (Swallowing): Do not induce vomiting or give anything by mouth. Petroleum content can be aspirated into lungs and cause aspiration pneumonitis. If victim is drowsy or unconscious, place on the left side with head down. Do not leave victim unattended. Seek medical attention.

5. FIRE AND EXPLOSION HAZARD

Flash Point: -156°F/-104 °C (Estimated for hydrocarbon propellant; 29.5% by weight)

Flammable Limits: LEL: 1.8 UEL: 9.5

Extinguishing Media: Dry chemical, Foam, or Water Fog

Special Procedures: Use standard oil fire extinguishing procedures. Wear full protective clothing, including self contained, positive pressure or pressure-demand breathing apparatus. Cool containers with water spray.

Unusual Hazards: Flammable aerosol product. Vapor and air mixtures are extremely flammable. Vapors can travel considerable distances to ignition sources to ignite. Floating fire hazard.

Thermal Decomposition Products: Carbon oxides, irritating aldehydes, ketones, traces of sulfur oxide.

6. ACCIDENTAL RELEASE MEASURES

Keep all sources of ignition away from spill. For small spills, absorb with sand or absorbents. For large spills, stay upwind and away from spill. If spill is indoors, ventilate area of spill. Foam, especially high expansion foam, may be used to suppress vapors. Keep out of drains, sewers or waterways. Do not flush area with water.

7. HANDLING AND STORAGE

Avoid inhalation of vapors and personal contact with the product. Use good personal hygiene practice. Keep containers cool, dry, and away from sources of ignition. Do not expose container to direct sunlight or temperatures above 120°F. Do not transport or store near heat sources. Do not puncture or incinerate container. Use and store this product with adequate ventilation. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

8. CONTROL MEASURES

Respiratory Protection: Normal ventilation adequate. If exposure exceeds recommended limits, respirator protection is recommended. Use a respirator or gas mask with cartridges for organic vapors (NIOSH approved) or use supplied air equipment.

Protective Gloves: For repeated or prolonged skin contact, the use of impermeable gloves is recommended to prevent drying and possible irritation.

Eye Protection: Eye protection is recommended, especially if the material is used in ways where it could splash in the eyes.

Other Protective Equipment: It is suggested that a source of clean water be available in work area for flushing eyes and skin. Impervious clothing should be worn as needed.

9. PHYSICAL DATA

Appearance: Clear, light to amber liquid,
mild hydrocarbon odor

Vapor Pressure: 4380 mm Hg for aerosol

Specific Gravity (H₂O = 1): 0.77

Density: 6.426 lbs/gal

Percent Volatiles (Weight): 50%

Boiling Point: Not determined

Vapor Density (Air = 1): >1

Solubility in Water: Nil

Evaporation Rate: > 1 (Ether = 1)

Volatile Organic Compounds (VOC): 385 gms/L

10. REACTIVITY DATA

Stability: Stable

Incompatibility: Oxidizing agents and strong acids (or bases).

Conditions to Avoid: High temperatures, open flame, other potential ignition sources.

Hazardous Polymerization: Will not occur.

11. HEALTH HAZARD/TOXICOLOGICAL INFORMATION

Refer to Section 3 for available information on potential health effects.

12. DISPOSAL CONSIDERATIONS

Dispose of product in accordance with local, county, state, and federal regulations.

13. TRANSPORTATION

DOT Hazard Class: Consumer Commodity, ORM-D

DOT Shipping Name: Consumer Commodity

14. REGULATORY STATUS

Hazard Canada WHMIS Class: B5

Hazard Categories for SARA Section 311/312 Reporting	Acute No	Chronic Yes	Fire Yes	Pressure No	Reactive No
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<u>Components</u>	<u>CERCLA/SARA Sec. 302</u>		<u>SARA Sec. 313</u>
	<u>Hazardous Substance RQ</u>	<u>EHS TPQ</u>	<u>Toxic Release</u>
Barium Compounds (CAS #7440-39-3) contains less than 0.4% by weight	No	No	Yes (0.1%)
Acetone (CAS #67-64-1)	Yes (5,000 lbs)	No	No

Disclaimer: The information and recommendations contained herein are believed to be reliable. However, the supplier makes no warranties, express or implied, concerning the use of this product. The buyer must determine conditions of safe usage and assumes all risk and liability in handling this product.