SAFETY DATA SHEET

1. Identification of the substance/mixture and of the company

1.1 Product identifier

Product Name:
Type P7™ Penetrating Oil Aerosol

Product ID numbers: P7-12, P7-12LA, P7M

1.2 Relevant identified uses of the mixture and uses advised against

Identified uses: Lubricating Oil and Corrosion Inhibitor

List of advices against: Not applicable.

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer:

American Polywater Corporation
11222 - 60th Street North
Stillwater, MN 55082 USA
Tel: 1-651-430-2270
Email: sds@polywater.com

1.4 Emergency telephone numbers

INFOTRAC: 1-800-535-5053 (USA) 1-352-323-3500 (INT'L)

2. Hazards Identification

2.1 Classification of the substance or mixture

Classification according to USA OSHA 29 CFR 1910.1200 (2012) and Canada HPR (SOR/2015-17; WHMIS 2015).

Flam Aerosol 1	H222, H229
Skin Irrit. 2	H315
Eye Irrit. 2A	H319

2.2 Label elements

This product is intended for consumer use and is labeled according to CPSC guidelines and not to GHS guidelines listed below. It is safe for consumers and other users under normal and reasonably foreseeable use. The SDS contains valuable information for industrial workplace conditions.

Contains: Solvent naphtha (petroleum), medium aliphatic, Distillates (petroleum), hydrotreated heavy naphthenic, Barium petroleum sulfonate, 2-Butoxyethanol, Propane, Butane

Pictograms:

Signal word: Danger

Hazard Statements:

H222	Extremely flammable aerosol
H229	Pressurized container: May burst if heated.
H280	Contains gas under pressure; may explode if heated
H315	Causes skin irritation
H319	Causes serious eye irritation

Precautionary Statements:

P210	Keep away from sparks, flames and hot surfaces. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P280	Wear protective gloves and eye protection.
P303 + P361 + P353	IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water.
P332 + P313	If skin irritation occurs: Get medical attention.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical attention.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Notes: Aspiration classification not applied due to the physical form of the product.

2.3 Other hazards: No information available.

3. Composition/Information on Ingredients

Component	CAS #	EC #	Wt. %
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	265-191-7	25-50
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	265-155-0	25-50
Barium petroleum sulfonate	61790-48-5	263-140-3	10-25
2-Butoxyethanol	111-76-2	203-905-0	2.5-10
Propane	74-98-6	200-827-9	Propellant, <15%
Isobutane	75-28-5	200-857-2	Propellant, <15%

4. First Aid Measures

4.1 Description of first aid measures

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. If victim is drowsy or unconscious, place on the left side with head down. Do not leave victim unattended. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Refer to Section 11 for more information.

4.3 Indication of immediate medical attention and special treatment needed.

Aspiration hazard. If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. This route not expected in aerosol package.

5. Firefighting Measures

5.1 Extinguishing media:

Carbon dioxide, sand, dry chemical or foam. Do not use water.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition and by-products:

Burning generates CO, CO_2 and smoke. Smoke may be acrid and fumes irritating.

5.3 Advice for firefighters

Wear appropriate, protective clothing, including self-contained, positive pressure or pressure-demand breathing apparatus. Sealed container can build up pressure when exposed to high heat. Use water spray to cool fire exposed containers. Aerosol cans can build up pressure and explode when exposed to temperatures greater than 120°F (49°C).

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

Keep away from heat/sparks/open flames/hot surfaces. No smoking. For a spill in a confined space, provide mechanical ventilation to disperse or exhaust vapors. For emergency responders: use respiratory protection: half-face or full-face respirator with filter(s) for organic vapor for spills in a confined space. Chemical goggles are recommended if splashes or contact with eyes is possible. For small spills: normal antistatic work clothes are usually adequate.

6.2 Environmental precautions:

Avoid release to the environment. Dyke the spill to prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods materials for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid m=binders, universal binders, sawdust). Dispose contaminated material according to local and national regulations. Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents.

6.4 Reference to other sections:

Refer to Sections 4, 5, 8, and 13 for more information.

7. Handling and Storage

7.1 Precautions for safe handling

Extremely flammable aerosol. Keep containers cool, dry, and away from sources of ignition. Do not expose container to direct sunlight or temperatures above 50°C/122°F. Do not transport or store near heat sources. No smoking. Avoid breathing vapors or spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Wash contaminated clothing before reuse. Use only outdoors or in a well-ventilated area. For industrial or professional use only.

7.2 Conditions for safe storage, including incompatibilities

Do not transport or store near heat sources. Keep cans dry and away from sources of ignition. Do not puncture or incinerate container. Store this product with adequate ventilation.

7.3 Specific end uses

See technical data sheet on this product for further information.

8. Exposure Controls / Personal Protection

8.1 Control parameters

Exposure limits and recommendations:

Solvent naphtha (petroleum), medium aliphatic (64742-88-7)

Country/Source	Long-term exposure limit – 8 hr. TWA	Short-term exposure limit – 15 min
USA, ACGIH TWA	100 ppm	--
USA, OSHA PEL	500 ppm	--
Australia (HCIS)	Not established	Not established
Alberta, Quebec, Yukon, British Columbia, Saskatchewan, Ontario*	Not established	Not established

Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)

Country/Source	Long-term exposure limit – 8 hr. TWA	Short-term exposure limit – 15 min
USA, ACGIH TWA	Not established	Not established
USA, OSHA PEL	Not established	Not established
Australia (HCIS)	Not established	Not established
Alberta, Quebec, Yukon, British Columbia, Saskatchewan, Ontario*	Not established	Not established

Barium salts (soluble)

Country/Source	Long-term exposure limit – 8 hr. TWA	Short-term exposure limit – 15 min
USA, ACGIH TWA	0.5 mg/m^3	--
USA, OSHA PEL	0.5 mg/m^3	--
USA, NIOSH	0.5 mg/m^3	--
Australia (HCIS)	0.5 mg/m^3	--
Alberta OEL	0.5 mg/m^3	--
British Columbia OEL	0.5 mg/m^3	--
Ontario OEL	0.5 mg/m^3	--
Quebec OEL	0.5 mg/m^3	--
Saskatchewan OEL	0.5 mg/m^3	--
Yukon OEL	0.5 mg/m^3	0.5 mg/m^3

2-Butoxyethanol (111-76-2)

Country/Source	Long-term exposure limit – 8 hr. TWA	Short-term exposure limit – 15 min
USA, ACGIH TWA	20 ppm	--
USA, OSHA PEL	50 ppm	--
USA, NIOSH TWA	5 ppm, 240 mg/m^3	--
USA, NIOSH REL, skin	24 mg/m^3	--
Australia (HCIS)	20 ppm	50 ppm
Alberta, OEL	20 ppm, 97 mg/m^3	--
Ontario	20 ppm	
Quebec	20 ppm, 97 mg/m^3	--
Saskatchewan	20 ppm	30 ppm

** Manitoba, Newfoundland and Labrador, Nova Scotia, and Prince Edward Island are all based on the current ACGIH TLVs. British Columbia is based on current ACGIH TLV unless otherwise noted. New Brunswick is based on an older version ACGIH. Nunavet and Northwest Territories are based heavily on current ACGIH TLVs.*

8.2 Exposure controls

Respiratory protection:
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:

Use of impermeable, resistant gloves is recommended.

Eye protection:
Eye protection is recommended, especially if the material is used in ways where it could spray or mist into 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 and Chemical

9.1 Information of basic physical and chemical properties (bulk liquid)

Appearance:	Clear, light to amber liquid with mild hydrocarbon odor.
Odor threshold:	Not available
pH:	Does not apply
Freezing point:	Not available
Boiling point:	307°F / 153°C 106°F / 41°C
Flash point:	(- 100°F / - 74°C - estimated for propellant, lowest flashing component)
Evaporation rate:	Not available
Flammability (solid, gas):	Not applicable to liquids
Upper/lower flammability or explosive limits:	**LEL:** 0.6% **UEL:** 6.5%
Vapor pressure:	6.6 hPa (5 mmHg) @20°C
Vapor density (Air = 1):	Not available
Specific gravity (H_2O = 1):	Not available
Solubility in water:	Not miscible
Coefficient of Water/Oil Distribution:	Not available
Ignition temperature	509 °F / 265 °C
Auto-ignition temperature:	Product is not self-igniting
Decomposition temperature:	Not available
Viscosity:	Not available

9.2 Other Information

Volatiles (Weight %):	49.3%

10. Stability and Reactivity

10.1 Reactivity:

See remaining headings in Section 10.

10.2 Chemical stability:

Stable

10.3 Possibility of hazardous reactions:

None known.

10.4 Conditions to avoid:

Avoid heat, flame, and sparks.

10.5 Incompatible materials :

No further information available.

10.6 Hazardous decomposition products:

Carbon dioxide, carbon monoxide.

11. Toxicological Information

11.1 Information on toxicological effects:

Acute toxicity

Eye contact:

Direct eye contact may cause eye irritation. This irritation is minimal and expected to be transient.

Skin contact:

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.

Irritation and Sensitization Potential:

Product may be irritating to skin and eyes. It is not a sensitizer.

Inhalation (Breathing):

Concentrated solvent vapors may cause irritation of the nose and throat. Prolonged exposure to excessively high vapor concentrations can result in central nervous system depression (e.g., drowsiness, dizziness, loss of coordination, and fatigue.

Ingestion:

Ingestion of large quantities may cause irritation of the digestive tract, nervous system depression (e.g., drowsiness, dizziness, loss of coordination, and fatigue).

Toxicity to Animals:

Solvent naphtha (petroleum), medium aliphatic	LD_{50} (oral rat) >6500 mg/kg
	LD_{50} (dermal rabbit) >3000 mg/kg
	LC_{50} (inhl rat) >14 mg/l, 4 hours
Alkyltriazole	LD_{50} (oral rat) 675 mg/kg

Chronic Exposure:

Reproductive Toxicity:	Not classified as a reproductive system toxin.
Mutagenicity:	Not classified as a mutagen.
Teratogenicity:	Not classified as teratogenic or embryotoxic.
Specific Target Organ Toxicity (STOT)	No end point data.
Toxicologically Synergistic Products:	Not available.
Carcinogenic Status:	Contains 2-Butoxy Ethanol, listed Group 3, Not Classifiable by IARC. This substance contains no other components identified as a carcinogen or probable carcinogen by NTP, IARC, or OSHA.

12. Ecological Information

12.1 Toxicity:	
Ecotoxicity:	No information available.
12.2 Persistence and degradability:	No information available
12.3 Bioaccumulation potential:	No information available
12.4 Mobility in soil:	No information available
12.5 Results of PBT and vPvB Assessment:	This product is not, nor does it contain a substance that is a PBT or vPvB.
12.6 Other adverse effects:	None known.

13. Disposal Considerations

Dispose of product in accordance with National and Local Regulations.

14. Transport Information

UN Number: 1950

UN Proper shipping name:	AEROSOLS, Flammable, less than 1 liter each, Class 2.1, LTD QTY
Transport hazard class(es):	Class 2.1
Packing group:	Not Applicable
Environmental hazards:	None known
Special precautions:	None known
TDG:	Not Regulated
ICAO/IATA-DGR:	Consumer Commodity, ID 8000, Class 9, LTD QTY, Per S.P. A112
IMDG:	UN 1950, AEROSOLS, Flammable, less than 1 liter each, Class 2.1, LTD QTY

15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

USA Federal and State
All components are listed on the TSCA inventory.

Hazard Categories for SARA Section 311/312 Reporting	**Acute**	**Chronic**	**Fire**	**Pressure**	**Reactive**
	Yes	No	Yes	No	No

	CERCLA/SARA Sec 302		SARA Sec. 313
Components	**Hazardous Substance RQ**	**EHS TPQ**	**Toxic Release**
Barium petroleum sulfonate (CAS 61790-48-5)			1%

Components are not affected by these Superfund regulations.

NFPA Ratings:
Health: 1
Fire: 3
Reactivity: 0

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel during spill, fire or similar emergencies. Hazard ratings are based on physical and toxic properties of combustion or decomposition.

California Proposition 65
WARNING: This product can expose you to benzene, ethylbenzene, and naphthalene which are known to the state of California to cause cancer, and toluene, ethylene glycol, and benzene which are known to the State of California to cause birth defects and/or other reproductive harm. For more information, go to www.p65warnings.ca.gov.

European Union
Product complies with the communication requirements of REACH Regulation (EC) No. 1907/2006. All components are listed on the European Inventory of Existing Chemical Substances (EINECS). Contains no substance on the REACH candidate list ≥ 0.1% SCL. Does not contain notified substances from the ELINCS List, Directive 92/32/EEC. Contains no REACH substances with Annex XVII restrictions.

Canada
All components are listed on the DSL inventory.
This product has been classified according to the hazard criteria of the CPR.

Australia
All components are listed on the AICS.
Hazardous according to criteria of NOHSC Australia.

15.2 Chemical Safety Assessment
No chemical safety assessment has been carried out for the mixture by the supplier.

16. Other Information

Abbreviations and acronyms:

OSHA = Occupational Safety and Health Administration
CLP = Classification, Labeling and Packaging Regulation
STOT = Specific Target Organ Toxicity
LD_{50} = Median Lethal Dose
DNEL = Derived No Effect Level
ACGIH = American Conference of Governmental Industrial Hygienists
TSCA = Toxic Substances Control Act (USA)
DSL = Domestic Substances List (Canada)
AICS = Australian Inventory of Chemical Substances

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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.