

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

Polywater Europe BV
Zuidhaven 9-11 Unit B2
4761 CR Zevenbergen
Netherlands
Tel: +31 (0)10 2330578
Email: sds@ polywater.com

1.4 Emergency telephone numbers

INFOTRAC 1-352-323-3500 (USA)

2. Hazards Identification

2.1 Classification of the substance or mixture

Classification according to OSHA 29 CFR 1910.1200 and Regulation (EC) No 1272/2008.

Flam Aerosol 1	H222, H229
Gas under pressure, liquefied gas	H280
Asp. Tox. 1	H304
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.
- P303 + P361 + P353 IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- 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

<u>Component</u>	<u>CAS #</u>	<u>EC #</u>	<u>Wt. %</u>	<u>GHS/CLP Classification</u>
Solvent naphtha (petroleum), medium aliphatic Distillates (petroleum), hydrotreated heavy naphthenic	64742-88-7	265-191-7	25-50	Flam Liq 3 H226; Acute Tox. 4 H302
Barium petroleum sulfonate	64742-52-5	265-155-0	25-50	Carc. 1B H350 Skin Irrit. 2 H315; Eye Irrit. 2A H319 Acute Tox. 4 H302, H312, H332; Skin Irrit. 2 H315;
2-Butoxyethanol	111-76-2	203-905-0	2.5-10	Eye Irrit. 2 H319
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, CO₂ 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:

Component Name	Limit	Standard	Source/Note
Medium Aliphatic Petroleum Solvent	100 ppm	ACGIH TWA	United States
Medium Aliphatic Petroleum Solvent	500 ppm	OSHA TWA	United States
Medium Aliphatic Petroleum Solvent	1200 mg/m ³	RCP* TWA <i>*reciprocal calculation procedure for total hydrocarbons</i>	ACGIH, Manufacturer
2-Butoxy Ethanol	240 mg/m ³ , 50 ppm	PEL, Skin	

2-Butoxy Ethanol	24 mg/m ³ , 5 ppm	REL, Skin
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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 (H₂O = 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

LD₅₀ (oral rat) >6500 mg/kg

LD₅₀ (dermal rabbit) >3000 mg/kg

LC₅₀ (inhl rat) >14 mg/l, 4 hours

Alkyltriazole

LD₅₀ (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 9
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
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	<u>Acute</u>	<u>Chronic</u>	<u>Fire</u>	<u>Pressure</u>	<u>Reactive</u>
	Yes	No	Yes	No	No

<u>Components</u>	<u>CERCLA/SARA Sec 302 Hazardous Substance RQ</u>	<u>EHS TPQ</u>	<u>SARA Sec. 313 Toxic Release</u>
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.

European Union

All components are listed on the European Inventory of Existing Chemical Substances (EINECS). Product complies with the communication requirements of REACH Regulation (EC) No. 1907/2006. It does not contain Substances of Very High Concern (SVHC).

Canada

All components are listed on the DSL inventory. This product has been classified according to the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

WHMIS Classification: B5

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

LD₅₀ = 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

Revision Date: July 22, 2015

Revision Number: 5

Supersedes: May 22, 2015

Other: Not Applicable

Indication of Changes: Section 2.2 Label elements updated (gas under pressure).
Updated precaution statements in accordance with the provisions of OSHA 1910.1200
App D and REACH Annex II (EU No 453/2010). (GHS format)

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.