



MATERIAL SAFETY DATA SHEET

LPS® Premium Leak Detector (Ready-to-Use)

Revision Date: August 17, 2011

Supersedes: July 21, 2008

Section 1 • Product and Company Identification

Product Name: LPS® Premium Leak Detector (Ready-to-Use)

Part Number(s): 61016, C61016

Chemical Name: Water Mixture

Product Use: A ready-to-use water-based fluid designed to generate bubbles when air or gas leaks in small amounts from pressurized lines.

Manufacturer Information: LPS Laboratories, 4647 Hugh Howell Road, Tucker, GA, USA 30084
TEL: USA & Canada: 1 800 241-8334
Outside USA and Canada: +1 770 243-8800
FAX: USA & Canada: 1 800 543-1563
Outside USA and Canada: +1 770 243-8899

Emergency Telephone Number: Chemtrec: USA & Canada: 1 800 424-9300
Outside USA and Canada: +1 703 527-3887

Website: <http://www.lpslabs.com>

Section 2 • Hazards Identification

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Emergency Overview: **Aerosol:** Not applicable
Bulk: CAUTION: Mild eye irritant.

Primary route(s) of entry: Skin and eye contact.

Potential Acute Health Effects:

Eyes: Liquid contact may cause irritation.

Skin: No effects anticipated.

Inhalation: Inhalation of large quantities of spray mist may cause irritation of the respiratory tract.

Ingestion: Product has a low order of acute oral toxicity, but ingestion of large quantities may cause nausea, vomiting, and gastrointestinal irritation.

Potential Chronic Health Effects:

Carcinogenic Effects: **NTP:** No **IARC:** No **OSHA:** No **ACGIH:** No

Mutagenic Effects: None

Teratogenic Effects: None

Target Organs: None



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Medical conditions aggravated by exposure:

Persons with pre-existing skin disorders and/or chronic respiratory diseases should avoid exposure.

Signs and Symptoms

Stinging in the eyes. Breathing of high mist concentrations may cause irritation of throat and eyes.

Section 3 • Composition / Information on Ingredients

Component	CASRN	Weight Percent
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The material is considered non-hazardous by the OSHA Hazardous Communication Standard (29 CFR 1910.1200).

Section 4 • First Aid Measures

Eyes: Check for and remove contact lenses. Immediately, flush eyes with cool, clean, low-pressure water for at least 15 minutes. Hold eyelids apart to ensure complete irrigation of the eye and eyelid tissue. DO NOT use eye ointment. Seek medical attention immediately.

Skin: If irritation takes place, remove clothing and launder before reuse. Wash skin with soap and rinse with water for at least 15 minutes. Seek medical attention if irritation persists.

Inhalation: If mist is inhaled and breathing becomes difficult, remove to fresh air, give oxygen and get medical attention. If not breathing, give artificial respiration and get medical attention.

Ingestion: DO NOT induce vomiting unless directed to do so by medical personnel. If conscious, give 2 to 3 glasses of water. Never give anything by mouth to an unconscious person. If spontaneous vomiting is about to occur, place victim's head below knees. If victim is drowsy or unconscious, place on the left side with head down. DO NOT leave victim unattended. Seek medical attention immediately.

Section 5 • Fire Fighting Measures

Products of Combustion: Carbon monoxide and carbon dioxide (mainly from packaging).

General Fire Hazards: Do not use on energized equipment.

Firefighting media: SMALL FIRE: Not applicable.
LARGE FIRE: Not applicable.

Sensitivity to Impact: None **Sensitivity to Static Discharge:** None

Protection Clothing (Fire): Not applicable.

Special Remarks on Explosion Hazards:
None



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Section 6 • Accidental Release Measures

- Containment Procedures:**
- Small Spill and Leak:** Absorb with an inert material and dispose of properly.
 - Large Spill and Leak:** Absorb with an inert material and dispose of properly.
- Clean-Up Procedures:** Recover free product and place in a suitable container for disposal.
- Evacuation Procedures:** Keep unnecessary and unprotected people away.
- Special Procedures:** Wear appropriate protective equipment during cleanup.

Section 7 • Handling and Storage

- Handling:** Wear appropriate protective equipment during handling. Wash thoroughly after handling.
- Storage:** Store container between 32°F and 130°F (0°C and 54°C).

Precautions to be taken in handling and storage:
Be aware of spilled material on walking surfaces. DO NOT freeze. DO NOT ingest.

Section 8 • Exposure Controls / Personal Protection

Engineering Controls: None required under normal conditions. However, if the product is sprayed in a heavy mist within in confined space, provide general and/or local exhaust ventilation or other engineering controls to keep the airborne concentrations low enough to prevent irritation.

Personal protective equipment

- Eye protection:** None required under normal conditions. Where there is a reasonable probability of liquid contact, wear splash-proof goggles. Eye wash fountain and emergency shower facilities are recommended.
- Hand protection:** Normally no hand protection is required; however, using chemical resistant gloves is recommended.
- Respiratory protection:** None required under normal conditions.
- General Hygiene Considerations:** Wash thoroughly after handling. Have eye-wash facilities immediately available.



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Section 9 • Physical and Chemical Properties

Appearance:	Liquid	Color:	Colorless / water-white
Odor:	Mild / None	Evaporation Rate:	1 (H ₂ O = 1)
Solubility Description:	100% in water	Flash Point:	None
Boiling Point:	100°C (212°F)	Flash Point Method:	Tag-Closed Cup
Specific Gravity (H₂O=1):	1.00 - 1.10 @ 20°C	Decomposition Temperature:	Not established
Vapor Density (air = 1):	> 1	Auto ignition temperature:	None
Vapor Pressure:	~ 18 mm Hg @ 20°C	Flammable limits (estimated):	LOWER: N.E. UPPER: N.E.
Rule 1171 PPc:	Not established	Partition Coefficient (octanol/water):	> 1
V.O.C. Content:	Aerosol: Not applicable Bulk: 0% per State & Federal Consumer Product Regulations	Odor Threshold:	Not established
Melting Point:	Not established	Viscosity:	< 3 cSt @ 25°C
pH:	6.0 - 8.0	Volatiles:	Not established
Heat of combustion:	Aerosol: Not applicable Bulk: Not established		

Section 10 • Stability and Reactivity

Chemical Stability:	Product is stable under recommended storage conditions.
Conditions to Avoid:	Avoid extreme heating or freezing.
Incompatibility:	None under typical use circumstances. Reacts with substances that react with water.
Hazardous Decomposition:	Will not occur.
Hazardous Polymerization:	Will not occur.

Section 11 • Toxicological Information

Acute and Chronic Toxicity

A: General Product Information

An acute toxicity study of this product has not been conducted.

If handled in accordance with good industrial hygiene practice, this product will not present a significant hazard in the workplace.



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Section 12 • Ecological Information

Mobility: Low volatility. Will absorb into soil. **Persistence / Degradability:** 100% biodegradable / inert
Bioaccumulative potential: No bioaccumulation potential **Other adverse effects:** None known

Ecological studies have not been conducted for this product. The following information is available for component(s) of this product.

Ecotoxicity

Effects on Organisms	Component	CASRN	Test	Species	Results
Acute Toxicity on Fishes	Sodium Dodecylbenzene Sulfonate	25155-30-0	96-hr LC50	Oncorhynchus Mykiss	3,200 µg/L
Acute Toxicity on Daphnia	No data available				
Bacterial Inhibition					
Growth inhibition of algae					
Bioaccumulation in fish					

* Supplier Data

Section 13 • Disposal Considerations

Waste Status: In its purchased form, this material does not meet the definition of a RCRA hazardous waste (40 CFR 261).
Disposal: Waste must be disposed of in accordance with any and all applicable environmental control rules and/or regulations.
Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information inaccurate, incomplete, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive than federal laws and regulations.

Section 14 • Transport Information

This product is not regulated by any mode of transportation.

The preceding information is subject to change and must be verified prior to shipment. It is the responsibility of anyone offering hazardous materials for shipment to ensure compliance with all applicable regulations.



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Section 15 • Regulatory Information

U.S. Federal Regulations

RCRA Hazardous Waste No.: None

Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA):
None

Toxic Substances Control Act (TSCA):
All components of this product are TSCA inventory listed and/or are exempt.

Superfund Amendments and Reauthorization Act (SARA) Title III SARA Section 311/312 (40 CFR 370) Hazard Categories:
None

This product contains the following toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372):
No individual section 313 component is present at or above 1%.

Section 112 Hazardous Air Pollutants (HAPs): None

State Regulations

California: This product does not contain chemical(s) known to the State of California to cause cancer, birth defects or other reproductive harm.

California and OTC States: This product is not regulated by consumer product regulations.

New Jersey Right to Know:

Aerosol: Not applicable

Bulk: Water 7732-18-5 • Propylene Glycol 57-55-6 • Hydroxyethyl Cellulose 9004-62-0 • Sodium Hexametaphosphate 68915-31-1 • Sodium Dodecylbenzene Sulfonate 25155-30-0

International Regulations

Canadian Environmental Protection Act (CEPA):

All of the components of this product are included on the Canadian Domestic Substances list (DSL).

Canadian Workplace Hazardous Materials Information System WHMIS:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS Classification:

NOT WHMIS controlled

Other Regulations:

Montreal Protocol listed ingredients:	None
Stockholm Convention listed ingredients:	None
Rotterdam Convention listed ingredients:	None
RoHS Compliant:	Yes



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Section 16 • Other Information

MSDS#: 161016 MSDS Preparation Responsible Name: Elena Badiuzzi Compliance Manager Telephone: +1 770 243-8800	HMIS 1996		HMIS III		Health Reactivity Special
	Health:	1	Health:	[] 1	
	Flammability:	0	Flammability Aerosol:	NA	
			Flammability Bulk:	0	
		Reactivity:	0	Physical Hazard Aerosol:	NA
				Physical Hazard Bulk:	0

Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Elena Badiuzzi, Compliance Manager
 LPS Laboratories, a division of Illinois Tool Works