



Revision 3

MATERIAL SAFETY DATA SHEET

LPS[®] Premium Leak Detector

Revision Date: 7/21/08

Supersedes: 2/9/07

Section 1 • Product and Company Identification

Product Name:	LPS [®] Premium Leak Detector
Part Number:	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 Rd., Tucker, GA, USA 30084
TEL:	1 770-243-8800
Emergency Telephone Number:	1-800-424-9300 Chemtrec; Outside U.S.: (703) 527-3887
FAX:	1 770-243-8899
Website:	http://www.lpslabs.com

PLAIN LANGUAGE HAZARD SUMMARY

Material Safety Data Sheets can be confusing. Federal and State laws require us to include a great deal of technical information that probably won't help the non-professional. LPS includes this "PLAIN LANGUAGE HAZARD SUMMARY" to address the questions and concerns of the average worker. If you have additional health, safety or product questions, don't hesitate to call us at 800/241-8334.

Worker Toxicity

LPS[®] PREMIUM LEAK DETECTOR is an environmentally friendly industrial chemical. It is a specialized fluid designed to generate bubbles when air or gas leaks in small amounts from pressurized lines. It contains small amounts of a water-softening agent and a detergent and could potentially cause eye irritation. Skin irritation even from extended exposure is not anticipated. For more exposure and first aid information, refer to MSDS Sections 2, 8 and 11.

Flammability

LPS[®] PREMIUM LEAK DETECTOR is non-flammable under nearly all conditions. However, we do not know its compatibility with liquid oxygen – do not use on LOX systems without thorough testing.

Disposal

LPS[®] PREMIUM LEAK DETECTOR is pH neutral and is typically not regulated for disposal. Consult your local P.O.T.W. (Publicly Owned Treatment Works) for instructions on how to dispose of spent solution down sanitary sewer lines. Also, see section 13 for additional disposal information.



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Section 2 • Hazards Identification

This material is considered non-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: LPS[®] PREMIUM LEAK DETECTOR has a low order of oral toxicity. It is non-irritating to skin. It is minimally irritating if splashed into eyes. KEEP OUT OF REACH OF CHILDREN.

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

Potential Acute Health Effects:

Eyes: May cause eye 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

Mutagenic Effects: None

Teratogenic Effects: None

Medical conditions aggravated by exposure: Persons with pre-existing skin disorders or chronic respiratory diseases should avoid exposure.

Signs and Symptoms

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

Section 3 • Composition / Information on Ingredients

LPS[®] Premium Leak Detector is mostly water, it is not a hazardous substance per 29 CFR 1910.1200. This preparation contains no ingredients at or above 0.1% that is classified as hazardous.



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Section 4 • First Aid Measures

- Eyes:** Check for and remove contact lenses. If irritation or redness develops, 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 if irritation takes place.
- 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 liquid is inhaled and this causes irritation or some other health effect, immediately move victim to fresh air. If victim is not breathing, immediately begin rescue breathing. If heart has stopped, immediately begin cardiopulmonary resuscitation (CPR). If breathing is difficult, seek medical attention immediately.
- Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. 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:** Does not burn.
- Sensitivity to Impact:** None **Sensitivity to Static Discharge:** None
- Protection Clothing (Fire):** None.
- Special Remarks on Explosion Hazards:** None.

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 | Wear appropriate personal protective equipment. Absorb spill with an inert material such as clay, vermiculite or diatomaceous earth. Place slurry in an approved chemical waste container for disposal. Wash spill area with detergent and water. Before discharging rinse water to sanitary sewer system, consult local regulations. | |
| Evacuation Procedures | Keep unnecessary and unprotected people away. | |
| Special Procedures | Wear appropriate protective equipment during cleanup. | |



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Section 7 • Handling and Storage

Handling: Use appropriate personal protective equipment and avoid direct contact with skin. After handling, always wash hands thoroughly with soap and water. Use only with adequate ventilation. Avoid breathing spray mists.

Storage Precautions: Keep in original container at ambient temperatures. Do not allow product to freeze. Keep container closed. Keep out of the reach of children.

Section 8 • Exposure Controls / Personal Protection

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

Personal Protection:

Eye protection	None normally anticipated. Safety goggles/Glasses should be worn if there is possibility of splashing.
Hand protection	Use chemically resistant protective gloves (i.e., nitrile or neoprene) as needed to prevent prolonged or repeated contact.
Respiratory protection	. Under normal conditions of use, lung irritation is not anticipated. However, if the material is to be spray-misted in a poorly ventilated area, use a cartridge style respirator effective on alkali (such as the 3M [®] N95 or equivalent).

General Hygiene Considerations: Rinse thoroughly after handling. Have eye-wash facilities immediately available.

Section 9 • Physical and Chemical Properties

Appearance:	Liquid.	Color:	Water-white
Odor/Taste:	Mild.	Vapor Pressure:	~18mm Hg, @ (20 °C)
Solubility Description:	100% in water	Evaporation Rate:	1 (H ₂ O=1)
Boiling Point (°C):	100 @ 760mmHg	Flash Point (°C):	None
Specific Gravity @ 20 °C (Water=1):	Conc.: 1.00-1.10	Flash Point Method:	Tag-Closed Cup.
Vapor Density (air=1):	>1	Auto Ignition Temperature (°C):	none
V.O.C. Content:	Conc.: 0 g/L	Partition Coefficient (octanol/water):	> 1.0
Flammable limits (estimated):	LOWER: N.E. UPPER: N.E.	Viscosity:	<3 centistokes @ 25oC
pH:	Conc.: 6 - 8		



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Section 10 – Chemical Stability and Reactivity

Chemical Stability:	Product is stable under recommended storage conditions.
Conditions to Avoid:	Extreme heat and 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

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

Section 12 • Ecological Information

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

Component	CASRN	Test	Species	Results
Propylene Glycol	57-55-6	96 hr LC50	Oncorhynchus mykiss	44 ml/L
Hydroxyethyl cellulose	9004-62-0	Not Data Available		
Sodium Hexametaphosphate	68915-31-1			
Sodium dodecylbenzenesulfonate	25155-30-0	96 hr LC50	Oncorhynchus mykiss	3200 µg/L

Section 13 • Disposal Considerations

Waste Status:	This product, if deemed unusable and classified as “waste” is <u>not</u> classified as hazardous.
Disposal:	Waste must be disposed of in accordance with federal, state and local environmental control 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.



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Section 14 • Transport Information

This product is not regulated by any mode of transportation.

Section 15 • Regulatory information

U.S. Federal Regulations

RCRA Hazardous Waste No.: None.

Comprehensive Environmental Response 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): None

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 reproductive harm.

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

New Jersey Right to Know:

Water 7732-18-5 • Propylene Glycol 57-55-6 • Hydroxyethyl cellulose 9004-62-0 •
Sodium Hexametaphosphate 68915-31-1 • Sodium dodecylbenzenesulfonate 25155-30-0 •

International Regulations

Canadian Environmental Protection Act: 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 Controlled

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



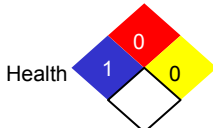
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Section 16 • Other Information

MSDS#161016 Responsible Name: Clea Johnson Regulatory Affairs Coordinator	HMIS 1996		HMIS III		NFPA Flammability  Health 1 0 Reactivity
	Health:	1	Health:	[/]1	
	Flammability:	0	Flammability:	0	
	Reactivity:	0	Physical Hazard:	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.

Clea L Johnson, Regulatory Affairs Coordinator
LPS Laboratories
A division of Illinois Tool Works