


### SAFETY DATA SHEET

Protective Clothing	NFPA Rating (USA)	EC Classification	WHMIS (Canada)	Transportation
Not required for normal use		Not Classified as Dangerous	Not Controlled	Not Regulated

**Section 1: Product and Company Information**

**Product Name:** Leak-Tite® Blue

**Product Code:** 46029 (1pt. BIC), 46013 (1 qt.), 46049 (qt. BIC), 46014 (1 gal.), 46015 (5 gal.), 46069 (55 gal.)

**Product Use:** Pipe thread sealant

**Chemical Family:** Mixture of refined mineral oils, greases and non-hazardous mineral substances.

**Manufacturer:** LA-CO Industries, Inc.  
 1201 Pratt Boulevard  
 Elk Grove Village, IL.  
 60007-5746

**Phone Number:** (847) 956-7600

**Fax:** (847) 956-9885

**24-hour Emergency:** CHEMTREC: (800) 424-9300

**Section 2: Composition and Ingredient Information**

**Hazardous/Dangerous Ingredients:**

Chemical Name	CAS No.	Wt. %	EINECS / ELINCS	Symbol	Risk Phrases
Light Naphthenic hydrotreated distillates	64742-53-6	18	265-156-6	Not applicable	Not applicable
Ethanol	64-17-5	0.2	200-578-6	F	R11
PTFE	9002-84-0	13	Polymer not listed Monomer is listed 204-126-9	None*	None

\* This chemical substance is not classified in the Annex I of Directive 67/548/EEC.

**Note:** See Section 8 of this SDS for exposure limit data for these ingredients.  
 See Section 16 for the full text of the R-phrases above.

**SAFETY DATA SHEET****Section 3: Hazards Identification****Preparation Hazards and Classification:**

Exposure to hazardous or dangerous substances is not expected when handling this product for its intended use. Extreme heating (>300°C) or during a fire may generate dense smoke, irritating and toxic fumes.

USA: This material is not considered hazardous by the OSHA hazard Communication Standard (29 CFR 1910.1200).

Canada: This is not a controlled product under WHMIS.

European Communities (EC): This product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

**Appearance, Color and Odor:**

Blue colored paste.

**Primary Route(s) of Exposure:**

Leak-Tite<sup>®</sup> Blue does not present an inhalation, ingestion, or contact health hazard unless subjected to extreme heating.

**Potential Health Effects:**

**ACUTE (short term): see Section 8 for exposure controls**

**Inhalation:** No health effects expected with normal use of the product.

Extreme heating (>300°C) of the product can release irritating vapors. Symptoms of irritation include coughing, sneezing, nasal discharge, headache, hoarseness and pain in the upper respiratory tract.

Products of thermal decomposition of fluorocarbon monomers and polymers can produce a condition known as "polymer-fume fever"; the symptoms are flu-like (chills, headache and fever) with chest tightness and mild cough, onset of symptoms may be delayed.

**Ingestion:** Not an applicable route of occupational exposure. Components of the product have low oral toxicity.

**Skin:** No health effects expected with normal use of the product.

**Eye:** Direct eye contact may cause temporary irritation as a foreign object in the eye. Symptoms of irritation include redness, swelling, pain and blurred or hazy vision.

**CHRONIC (long term): see Section 11 for additional toxicological data**

Prolonged or repeated skin contact may cause dermatitis in some individuals.

**Medical Conditions**

Skin contact may aggravate an existing dermatitis.

**Aggravated by Exposure:****Interactions With Other Chemicals:**

Cigarette smoking is a common means of creating exposure to the products of decomposition of fluorocarbon monomers and polymers. Fluorocarbons may be deposited on cigarettes from the air or from workers' fingers. As a cigarette is smoked, fluorocarbons are then burned and the products of decomposition are inhaled with the cigarette smoke.

## SAFETY DATA SHEET

### Section 4: First Aid Measures

<b><u>Inhalation:</u></b>	If symptoms are experienced remove source of contamination or move victim to fresh air. Obtain medical advice.
<b><u>Eye Contact:</u></b>	Do not allow victim to rub eye(s). Let the eye(s) water naturally for a few minutes. Have victim look right and left, and then up and down. If particle/dust does not dislodge, flush with lukewarm, gently flowing water for 5 minutes or until particle/dust is removed, while holding the eyelid(s) open. If irritation persists, obtain medical attention. DO NOT attempt to manually remove anything stuck to eye(s).
<b><u>Skin Contact:</u></b>	Quickly and gently, blot or brush away excess paste. Wash gently and thoroughly with lukewarm, gently flowing water and non-abrasive soap for 5 minutes. If irritation develops, obtain medical advice.
<b><u>Ingestion:</u></b>	No health effects expected. If irritation or discomfort occurs, obtain medical advice.

### Section 5: Fire Fighting Measures

<b><u>Extinguishing Media:</u></b>	Use extinguishing media appropriate for the surrounding fire.
<b><u>Unusual Fire and Explosion Hazards:</u></b>	The paste can burn if involved in a fire but does not ignite readily. Sensitivity to mechanical impact: Not sensitive Sensitivity to static discharge: Not sensitive
<b><u>Fire Fighting Instructions:</u></b>	As for any fire, evacuate the area and fight the fire from a safe distance. Wear a pressure-demand, self-contained breathing apparatus and full protective gear. Fight fire from a protected location or a safe distance.
<b><u>Hazardous Combustion Products:</u></b>	During a fire, products of combustion may include Hydrogen fluoride, Perfluoro- carbon olefins and oxides of carbon. Irritating and harmful fumes are released when PTFE is heated above 300°C. The decomposition products and the resulting health effects are temperature-dependent.

### Section 6: Accidental Release Measures

<b><u>Personal Precautions:</u></b>	Wear adequate personal protective equipment as indicated in Section 8.
<b><u>Environmental Precautions:</u></b>	Minimize entry of material into sewers and drainage systems.
<b><u>Methods for Containment:</u></b>	Contain spill immediately.
<b><u>Methods for Clean-up:</u></b>	Scrape or scoop product for re-use or place in a secure container for disposal.

### Section 7: Handling and Storage

<b><u>Handling</u></b>	Avoid contact with eyes and skin; do not breathe in fumes. Wash thoroughly with detergent and water after handling, before eating, drinking, smoking or using the toilet. Remove contaminated clothing and wash before reuse.
<b><u>Storage:</u></b>	Store in a cool, dry area. Store away from acids.

## SAFETY DATA SHEET

### Section 8: Exposure Controls and Personal Protection

**Exposure Limits**

Some component substances in this preparation have Occupational Exposure Limits/Guidelines. Exposure to airborne component substances is not expected with anticipated use. Consult local authorities for acceptable exposure limits.

**Exposure Controls**

**Engineering Controls:** General ventilation.

**Personal Protection:**

**Respiratory Protection:** Not required for normal use.  
 A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 529 or Canadian Standards Association (CSA) Standard Z94.4-02 must be followed whenever workplace conditions warrant a respirator's use.

**Skin Protection:** Not required for normal use.

**Eye Protection:** Not required for normal use.

**Other Protective Equipment:**

A safety shower and eye-wash fountain in the work area are recommended.

**Hygiene Measures:**

Avoid breathing fumes generated from heated product. Do not eat, drink or smoke in work areas. Wash hands after handling this product.

### Section 9: Physical and Chemical Properties

<b><u>Physical State:</u></b>	Paste	<b><u>Vapor Pressure:</u></b> <b><u>(mm Hg @ 25°C)</u></b>	Not applicable
<b><u>Appearance:</u></b>	Blue colored	<b><u>Vapor Density:</u></b> <b><u>(Air = 1)</u></b>	Not applicable
<b><u>pH:</u></b>	8.0	<b><u>Solubility in Water:</u></b>	Insoluble in water.
<b><u>Relative Density:</u></b> <b><u>(water = 1)</u></b>	1.5	<b><u>Water / Oil distribution</u></b> <b><u>coefficient:</u></b>	<1
<b><u>Boiling Point:</u></b>	177°C (350°F)	<b><u>Odor Type:</u></b>	Odorless
<b><u>Melting Point:</u></b>	Not available	<b><u>Odor Threshold:</u></b>	Not applicable
<b><u>Viscosity:</u></b>	Not applicable	<b><u>Evaporation Rate:</u></b> <b><u>(n-Butyl Acetate = 1)</u></b>	Not applicable
<b><u>Oxidizing Properties:</u></b>	Not available	<b><u>Auto Ignition Temperature</u></b> <b><u>(°C):</u></b>	Not applicable
<b><u>Flash Point and Method:</u></b>	>150°C (300°F) TOC	<b><u>Flammability Limits (%):</u></b>	Not available

## SAFETY DATA SHEET

### Section 10: Stability and Reactivity

<b><u>Stability:</u></b>	Stable
<b><u>Conditions to Avoid:</u></b>	Avoid incompatible materials.
<b><u>Incompatible Materials:</u></b>	Incompatible with strong oxidizers, strong acids, strong bases, aromatic solvents, chlorinated solvents.
<b><u>Hazardous Decomposition Products:</u></b>	When heated to decomposition (>300°C) this material may release carbonyl fluoride, hydrogen fluoride, perfluoroisobutylene (PFIB) and other irritating and toxic vapors or particulates.
<b><u>Possibility of Hazardous Reactions:</u></b>	Not available

### Section 11: Toxicological Information

#### Acute Toxicity Data

<u>Ingredient</u>	<u>LD<sub>50</sub> Oral</u> (mg/kg)	<u>LD<sub>50</sub> Dermal</u> (mg/kg)	<u>LC<sub>50</sub> Inhalation</u> (4 hrs.)
Light Naphthenic hydrotreated distillates	>5 000 (rat)	>2 000 (rabbit)	2.18 mg/L (rat)
Ethanol	1 501 (rat)	Not available	124.7 mg/L (rat)
PTFE	Not available	Not available	Not available

#### Chronic Toxicity Data

**Carcinogenicity:** Light Naphthenic hydrotreated distillates, has less than 3% DMSO extract as measured by IP 346. This product is not required to be labeled according to the European Directive 67/548/EEC.

IARC Group 3, Not classifiable as to its carcinogenicity in humans.  
 ACGIH A4, Not classifiable as a human carcinogen.

<u>Ingredient</u>	<u>ACGIH</u>	<u>IARC</u>	<u>NTP</u>
Light Naphthenic hydrotreated distillates	Not listed	Group 3	Not listed
Ethanol	A4	Not applicable	Not applicable
PTFE	Not listed	Group 3	Not listed

ACGIH: (American Conference of Governmental Industrial Hygienists)  
 IARC: (International Agency for Research on Cancer)  
 NTP: (National Toxicology Program)

<b><u>Irritation:</u></b>	Not available
<b><u>Sensitization:</u></b>	Not available
<b><u>Neurological Effects:</u></b>	Not available
<b><u>Teratogenicity:</u></b>	Not available
<b><u>Reproductive Toxicity:</u></b>	Not available
<b><u>Mutagenicity (Genetic Effects):</u></b>	Not available
<b><u>Toxicologically Synergistic Materials:</u></b>	Not available
<b><u>Target Organ Effects:</u></b>	Not available

**SAFETY DATA SHEET****Section 12: Ecological Information**

<b><u>Ecotoxicity:</u></b>	Ecotoxicity is expected to be low due to the product's insolubility in water.
<b><u>Mobility:</u></b>	Not available
<b><u>Persistence and degradability:</u></b>	Product is not readily biodegradable.
<b><u>Bioaccumulative potential:</u></b>	Not available
<b><u>Other adverse effects:</u></b>	Not available

**Section 13: Disposal Considerations**

<b><u>Waste Disposal Method:</u></b>	Do NOT discard into any sewers, on the ground or into any body of water. Store material for disposal as indicated in Section 7 Handling and Storage.
<b><u>USA:</u></b>	Dispose of in accordance with local, state and federal laws and regulations. RCRA Waste Codes: None
<b><u>Canada:</u></b>	Dispose of in accordance with local, provincial and federal laws and regulations.
<b><u>EC:</u></b>	Waste must be disposed of in accordance with relevant EC Directives and national, regional and local environmental control regulations. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

**Section 14: Transport Information:**

<b><u>U.S. Hazardous Materials Regulation (DOT 49CFR):</u></b>	Not regulated
<b><u>Canadian Transportation of Dangerous Goods (TDG):</u></b>	Not regulated
<b><u>ADR/RID:</u></b>	Not regulated
<b><u>IMDG:</u></b>	Not regulated
<b><u>Marine Pollutants:</u></b>	Not applicable
<b><u>ICAO/IATA :</u></b>	Not regulated

**Section 15: Regulatory Information**

<b><u>USA</u></b>	
	<b><u>TSCA Status:</u></b> All ingredients in the product are listed on the TSCA inventory.
	<b><u>SARA Title III:</u></b>
	Sec. 302/304: None
	Sec. 311/312: Not applicable
	Sec. 313: Not available
	CERCLA RQ: Not applicable
	<b><u>California Prop. 65 :</u></b> Not applicable

**SAFETY DATA SHEET****Canada**

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

**WHMIS Classification:** Not controlled

**NSNR Status (New Substance Notification Regulations):** All substances in the product are listed, as required, on Canada's Domestic Substances List (DSL).

**EC Classification for the Substance/Preparation:**

**Symbol:** This product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

**Risk Phrases:** Not applicable

**Safety Phrases:** Not applicable

**Section 16: Other Information****Estimated NFPA Hazard Rating**

**Full Text of R-phrases appearing in Section 2:** Not applicable

**Preparation Information:**

**Preparation Date:** May 29, 2008

**Revision Date:** Not applicable

**Revision Summary:** Not applicable

**Prepared by:** LEHDER Environmental Services Limited  
www.lehder.com

**Disclaimer:** While LEHDER Environmental Services Limited believes that the data set forth herein is accurate, as of the date hereof, LEHDER makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data is offered solely for your consideration, investigation and verification.

**Manufacturer Disclaimer:** The information contained herein is based on data available to us and is accurate and reliable to the best of our knowledge and belief. However, LA-CO Industries, Inc. makes no representations as to its completeness or accuracy. Information is supplied on condition that persons receiving such information will make their own determination as to its suitability for their purposes prior to use. In no event will LA-CO Industries, Inc. be responsible for damages of any nature whatsoever resulting from the use of or reliance upon the information contained herein.