


SAFETY DATA SHEET

Section 1: Product and Company Identification

Product Name: Slic-Tite® Paste with PTFE
Product Code: 41209, 42009, 41219, 42019, 42012, 42029, 42013, 42049, 42014, 42015, 42069
Product Use: Heavy duty thread sealant.
Manufacturer: LA-CO Industries, Inc.
 1201 Pratt Boulevard
 Elk Grove Village, IL.
 60007-5746
 E-mail Contact: customer_service@laco.com
Phone Number: (847) 956-7600
Fax: (847) 956-9885
24-hour Emergency: CHEMTREC: (800) 424-9300

Section 2: Hazards Identification

Protective Clothing	NFPA Rating (USA)	EC Classification	WHMIS (Canada)	Transportation
Not Required for Normal Use		Not Classified as Dangerous	Not Controlled	Not Regulated

Emergency Overview: 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.

Appearance, Color and Odor: Viscous paste; white; grease-like odor.

USA: This product is not a hazardous material as defined by 29 CFR1910.1200, OSHA Hazard Communication Standard.

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.

While this product is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

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Section 2: Hazards Identification (continued)

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

Relevant Route(s) of Exposure: Skin contact.

Inhalation: Inhalation is not expected with normal use.

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 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 Aggravated by Exposure: Skin contact may aggravate an existing dermatitis.

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.

Potential Environmental Effects: Not available

Section 3: Composition / Information on Ingredients

Hazardous Ingredients:

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Wt.%</u>	<u>EINECS / ELINCS</u>	<u>Symbol</u>	<u>Risk Phrases</u>
Ethanol	64-17-5	0.1 - 0.5	200-578-6	F	R11
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	10 - 30	265-156-6	Not applicable contains <3% DMSO extract by IP 346	
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	10 - 30	265-155-0	Not applicable contains <3% DMSO extract by IP 346	
PTFE	9002-84-0	15 - 40	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 4: First Aid Measures**

Inhalation:	If symptoms are experienced remove source of contamination or move victim to fresh air and obtain medical advice.
Eye Contact:	No effects expected. If irritation occurs, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes. If irritation persists, obtain medical advice.
Skin Contact:	No health effects expected. If irritation does occur, flush with lukewarm, gently flowing water for 5 minutes. If irritation persists, obtain medical advice.
Ingestion:	If irritation or discomfort occurs, obtain medical advice immediately.

Section 5: Fire Fighting Measures

Flammable Properties:	The paste can burn if involved in a fire but does not ignite readily.
Suitable extinguishing Media:	Use extinguishing media appropriate for the surrounding fire.
Unsuitable extinguishing Media:	Not available
Explosion Data:	
Sensitivity to Mechanical Impact:	Not applicable
Sensitivity to Static Discharge:	Not applicable
Specific Hazards arising from the Chemical:	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.
Protective Equipment and precautions for firefighters:	Self-contained breathing apparatus and protective clothing should be worn. Remove all unprotected personnel.
NFPA	
Health:	1
Flammability:	1
Instability:	0

Section 6: Accidental Release Measures

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

Section 7: Handling and Storage

Handling:	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. Keep out of reach of children.
Storage:	Store in a cool, dry area, out of direct sunlight and away from heat, flames and ignition sources. Keep containers closed when not in use.



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Section 8: Exposure Controls/Personal Protection

Exposure Guidelines

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: Not required for normal use.
If product is overheated, provide adequate ventilation to keep vapor concentrations below the exposure limits listed above.

Personal Protection:

Eye/Face 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.

Respiratory Protection: Not required for normal use.

Other Protective Equipment: Not required for normal use.

General 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

Physical State:	Solid	Flash Point & method:	150°C (300°F)
Appearance, Color and Odor:	Viscous paste; white; grease-like odor.	Autoignition Temperature:	Not available
Odor Threshold:	Not available	Flammability Limits in Air:	Not available
pH:	Not applicable	Vapor Pressure:	Not applicable
Specific Gravity: (water = 1)	1.48 (12.35 lbs/gal.)	Vapor Density: (Air = 1)	Not applicable
Partition coefficient: (n-octanol/water)	<1	Evaporation Rate: (n-Butyl Acetate = 1)	Not applicable
Solubility:	Insoluble in water.	Boiling Point/Range:	177°C (350°F)
Viscosity:	Not applicable	Melting Point:	Not available
Decomposition Temperature:	Not available	VOC Content:	0% w/w

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Section 10: Stability and Reactivity

Chemical Stability:	Stable at normal room temperature.
Conditions to Avoid:	Avoid extreme heat and open flames.
Incompatible Materials:	Incompatible with strong oxidizers, strong acids, strong bases, aromatic solvents, chlorinated solvents.
Hazardous Decomposition Products:	When heated to decomposition (>300°C) this material may release carbonyl fluoride, hydrogen fluoride, perfluoroisobutylene (PFIB) and other irritating and toxic vapors or particulates.
Possibility of Hazardous Reactions:	Not available

Section 11: Toxicological Information

Acute Toxicity Data

	<u>LD₅₀ Oral</u> (mg/kg)	<u>LD₅₀ Dermal</u> (mg/kg)	<u>LC₅₀ Inhalation</u> (4 hrs.)
Ethanol	1 501 (rat)	Not available	124.7 mg/L (rat)
Distillates (petroleum), hydrotreated light naphthenic	>5 000 (rat)	>2 000 (rabbit)	2.18 mg/L (rat)
Distillates (petroleum), hydrotreated heavy naphthenic	>5 000 (rat)	>2 000 (rabbit)	Not available
PTFE	Not available	Not available	Not available

Chronic Toxicity Data

Carcinogenicity: Distillates (petroleum), have 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.
 ACGIH A4, Not classifiable as a human carcinogen.
 Group 3 – The agent is not classifiable as to its carcinogenicity in humans.

	<u>ACGIH</u>	<u>IARC</u>	<u>NTP</u>
Ethanol	A4	Not applicable	Not applicable
Distillates (petroleum), hydrotreated light naphthenic	Not listed	Group 3	Not listed
Distillates (petroleum), hydrotreated heavy naphthenic	Not listed	Not listed	Not listed
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)

SAFETY DATA SHEET**Section 11: Toxicological Information (continued)**

Irritation:	Normal use will not result in harmful effects.
Corrosivity:	Not available
Sensitization:	Not applicable with normal use.
Neurological Effects:	Not applicable with normal use.
Genetic Effects:	Not available
Reproductive Effects:	Not applicable with normal use.
Developmental Effects:	Not applicable with normal use.
Target Organ Effects:	Not available

Section 12: Ecological Information

Ecotoxicity:	Ecotoxicity is expected to be low due to the product's insolubility in water.
Persistence/Degradability:	Product is not readily biodegradable.
Bioaccumulation/Accumulation:	Not available
Mobility:	Not available
Other adverse effects:	Not available

Section 13: Disposal Considerations

Waste Disposal Method:	Do NOT dump into any sewers, on the ground or into any body of water. Store material for disposal as indicated in Section 7 Handling and Storage. The conditions of use, storage and disposal of this product are beyond our control and may be beyond our knowledge. For this and other reasons, LA-CO Industries, Inc. does not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product.
USA:	Dispose of in accordance with local, state and federal laws and regulations.
Canada:	Dispose of in accordance with local, provincial and federal laws and regulations.
EC:	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:

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

SAFETY DATA SHEET**Section 15: Regulatory Information****USA****TSCA Status:** All ingredients in the product are listed on the TSCA inventory.**SARA Title III**Sec. 302/304: None
Sec. 311/312: Not applicable
Sec. 313: Not applicable
CERCLA RQ: Not applicable**California Prop 65:** This product does not contain chemicals known to the State of California to cause cancer or reproductive harm.**State Right-to-Know Lists :** Massachusetts, New Jersey, Pennsylvania; Distillates (petroleum), hydrotreated naphthenic, Ethanol, 12-hydroxy lithium stearate, Titanium dioxide, BHT**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
(for workplace exposures)**New Substance Notification Regulations:** All ingredients in the product are listed, as required, on Canada's Domestic Substances List (DSL).**NPRI Substances:** Not applicable**EC Classification for the Substance/Preparation****Symbol:** This product is not classified as dangerous according to Directive 1999/45/EC and its amendments.**Section 16: Other Information****Full Text of R-phrases appearing in Section 2:** R11: Highly flammable.**Preparation Information:****Prepared by:** LEHDER Environmental Services Limited 519-336-4101
www.lehder.com**Preparation date:** June 26, 2008**Revision Date:** Not applicable**Revision Summary:** Not applicable**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.