

## 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.

**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 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.

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### Section 2: Hazards Identification, continued

**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<br>contains <3% DMSO extract by IP 346 |                     |
| Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5     | 10 - 30     | 265-155-0                                            | Not applicable<br>contains <3% DMSO extract by IP 346 |                     |
| PTFE                                                   | 9002-84-0      | 15 - 40     | Polymer not listed<br>Monomer is listed<br>204-126-9 | None*                                                 | None                |

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

**Note:** See Section 16 for the full text of the R-phrases above.

### 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.

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### Section 5: Fire Fighting Measures, continued

**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:** Wash hands 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.

### 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.

**Personal Protection:**

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

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

**Respiratory Protection:** 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.

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### Section 9: Physical and Chemical Properties

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

### Section 10: Stability and Reactivity

|                                            |                                                                                                                                                                                          |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Chemical Stability:</b>                 | Stable at normal room temperature.                                                                                                                                                       |
| <b>Conditions to Avoid:</b>                | Avoid extreme heat and open flames.                                                                                                                                                      |
| <b>Incompatible Materials:</b>             | Incompatible with strong oxidizers, strong acids, strong bases, aromatic solvents, chlorinated solvents.                                                                                 |
| <b>Hazardous Decomposition Products:</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>Possibility of Hazardous Reactions:</b> | Not available                                                                                                                                                                            |

### Section 11: Toxicological Information

#### Acute Toxicity Data

|                                                        | <b><u>LD<sub>50</sub> Oral</u><br/>(mg/kg)</b> | <b><u>LD<sub>50</sub> Dermal</u><br/>(mg/kg)</b> | <b><u>LC<sub>50</sub> Inhalation</u><br/>(4 hrs.)</b> |
|--------------------------------------------------------|------------------------------------------------|--------------------------------------------------|-------------------------------------------------------|
| 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                                         |

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### Section 11: Toxicological Information (continued)

#### 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. Contains Titanium dioxide (IARC 2B); titanium dioxide is inextricably bound and, under normal conditions of use or during foreseeable emergencies, cannot become airborne and result in worker exposure.

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)

**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

### Section 13: Disposal Considerations

**Waste Disposal Method:** 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. 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.

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### Section 14: Transport Information:

|                                                   |                                                  |
|---------------------------------------------------|--------------------------------------------------|
| U.S. Hazardous Materials Regulation (DOT 49CFR):  | Not regulated as a dangerous good for transport. |
| Canadian Transportation of Dangerous Goods (TDG): | Not regulated as a dangerous good for transport. |
| ADR/RID:                                          | Not regulated as a dangerous good for transport. |
| IMDG:                                             | Not regulated as a dangerous good for transport. |
| Marine Pollutants:                                | Not applicable                                   |
| ICAO/IATA:                                        | Not regulated as a dangerous good for transport. |

### 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.



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### Section 16: Other Information

**Full Text of R-phrases appearing in Section 2:**

R11: Highly flammable.

**Preparation Information:**

**Revision Date:**

August 11, 2011

**Revision Summary:**

Review of regulatory, hazard classification, exposure limit and toxicology data. No revisions to data.

**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.

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