

SAFETY DATA SHEET

Section 1: Product and Company Identification

Product Name: Pipetite® Paste

Product Use: Pipe thread sealant



Product Code: 12109 [1/4pt. BIC]; 12110 [1/2 pt. BIC]; 12112 [1 pt. BIC]

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: Hazards Identification

Protective Clothing	NFPA Rating (USA)	EU Classification	WHMIS (Canada)	Transportation
		Not classified as dangerous	 B3	See Section 14

Emergency Overview: Exposure to hazardous substances is not expected when handling this product for its intended use.

Appearance, Color and Odor: Grey colored paste, mild, sweet odor of ether.

USA: This material is considered hazardous by the OSHA hazard Communication Standard (29 CFR 1910.1200).

Canada: This is a controlled product under WHMIS.

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

Potential Health Effects

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

Relevant Route(s) of Exposure:

Skin contact, Inhalation.

Pipetite® Paste does not present an inhalation hazard unless subjected to conditions where over-exposure to vapors may occur, such as in a confined space.

Inhalation: No health effects expected with normal use of the product. Inhalation of vapors of vapors \geq 100 ppm, can irritate the respiratory tract. Over-exposure to high concentrations of vapors \geq 100 ppm, can cause Central Nervous System (CNS) effects; symptoms may include headache and dizziness.

Ingestion: Not an expected route of occupational exposure. Components of the product have low oral toxicity. Swallowing very large amounts may cause CNS symptoms similar to those described under inhalation, above.

Skin: No health effects expected with normal use of the product. DPGME may be absorbed through the skin if direct skin contact is extensive and prolonged. Absorption may cause CNS symptoms similar to those described under Inhalation, above.

Eye: No health effects expected with normal use of the product. Direct eye contact may cause mild irritation.

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

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

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Section 2: Hazards Identification (continued)

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

Interactions With Other Chemicals: See Section 10

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>
(2-methoxymethylethoxy)propanol (DPGME)	34590-94-8	15 - 40	252-104-2	None*	None*
Talc	14807-96-6	15 - 40	238-877-9	None*	None*

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

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: If material becomes lodged in the eye, 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).

Skin Contact: 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.

Ingestion: If swallowed in large amounts or if irritation or discomfort occurs, obtain medical advice immediately.

Section 5: Fire Fighting Measures

Flammable Properties: The paste contains a combustible liquid. Vapors can form explosive mixture with air at or above the flashpoint 71°C (160°F).

Suitable extinguishing Media: Use water spray, dry chemical, carbon dioxide, or an appropriate foam. Use water spray to cool fire-exposed containers.

Unsuitable extinguishing Media: Not applicable

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 Carbon dioxide, carbon monoxide, aldehydes, smoke and irritating and toxic fumes may be formed.

Protective Equipment and precautions for firefighters: Self-contained breathing apparatus and protective clothing should be worn. Remove all unprotected personnel.

NFPA

Health: 1
Flammability: 2
Instability: 0

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Section 6: Accidental Release Measures

- Personal Precautions:** Wear protective gloves. Spilled product may pose a slipping hazard.
- Environmental Precautions:** Prevent the product from entering sewers or waterways.
- Methods for Containment:** Stop the spill if it is safe to do so. Contain spilled material with a suitable absorbent which does not react with spilled material.
- Methods for Clean-up:** Scrape or scoop up the spilled product and collect for re-use or proper disposal. Dispose of any contaminated, unusable product as described in Section 13 of this SDS.

Section 7: Handling and Storage

- Handling:** Avoid contact with eyes and skin; do not breathe fumes. Do not ingest. Do not use near sources of extreme heat or ignition sources. Keep out of reach of children. Use this material with adequate ventilation. Keep container closed when not in use. Remove contaminated clothing and wash before reuse. Wash thoroughly with detergent and water after handling, before eating, drinking, smoking or using the toilet.
- Storage:** Store in a cool, dry area, away from incompatible materials (see Section 10).

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines

Consult local authorities for acceptable exposure limits.

<u>Ingredient</u>	<u>ACGIH TLV (8-hr. TWA) mg/m³</u>	<u>U.S. OSHA PEL (8-hr. TWA) mg/m³</u>	<u>Ontario (Canada) TWA_{EV} mg/m³</u>	<u>EU - Occupational Exposure (2000/39/EC)</u>
(2-methoxymethylethoxy) propanol (DPGME)	100 ppm 150 ppm STEL Skin - notation	100 ppm Skin designation	100 ppm 150 ppm STEV	50 ppm Possibility of significant uptake through the skin
Other exposure limits: NIOSH IDLH (Immediately Dangerous to Life or Health): 600 ppm, potential for dermal absorption				

Exposure Controls

- Engineering Controls:** Provide adequate ventilation/local exhaust to keep vapor concentrations below the exposure limits listed above.
- Personal Protection:** Workers must comply with the Personal Protective Equipment requirements of the workplace in which this product is handled.
- Eye/Face Protection:** Wear eye/face protection (e.g. goggles/face shield) appropriate for the workplace where this material is handled and the conditions of use.
- Skin Protection:** Wear appropriate protective gloves and clean, body-covering clothing, when workplace conditions warrant their use.
- Respiratory Protection:** Not required for normal use. If ventilation and other engineering controls and work practices are not effective in controlling exposure to this material, then wear suitable personal protective equipment including approved respiratory protective equipment (RPE). Consult with respirator manufacturer to determine respirator selection, use and limitations.
- A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements, European Standard EN529 or Canadian Standards Association (CSA) Standard Z94.4-2002 must be followed whenever workplace conditions warrant a respirator's use.
- General Hygiene Measures:** Do not ingest. Avoid contact with skin and eyes. Keep out of reach of children. Wash hands after handling.

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Section 9: Physical and Chemical Properties

Physical State:	Paste	Vapor Pressure (mm Hg @ 25°C):	Not available
Appearance:	Grey colored	Vapor Density (Air = 1):	For DPGME=5.1
pH:	Not applicable	Solubility in Water:	Insoluble in water.
Relative Density (water = 1):	1.4	Water / Oil distribution coefficient:	<1
Boiling Point:	177°C (350°F)	Odor Type:	Mild, sweet odor of ether.
Freezing Point:	Not available	Odor Threshold:	Not available
Viscosity:	Not available	Evaporation Rate:	Not available
Oxidizing Properties:	Not available	Auto Ignition Temperature (°C):	Not available
Flash Point and Method:	71°C (160°F) TOC	Flammability Limits (%):	For DPGME Upper=1.1%@200°C Lower=3.0%
VOC:	30 – 40%(w.w); 32 – 42% (v/v); 0.3-0.4 kg/L	Viscosity:	150 000-20 000 cps

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 oxidizing agents.
Hazardous Decomposition Products:	Thermal decomposition may generate irritating vapors of DPGME.
Possibility of Hazardous Reactions:	Hazardous polymerization will not occur.

Section 11: Toxicological Information

Acute Toxicity Data

<u>Ingredient</u>	<u>LD₅₀ Oral</u> <u>(mg/kg)</u>	<u>LD₅₀ Dermal</u> <u>(mg/kg)</u>	<u>LC₅₀ Inhalation</u> <u>(4 hrs.)</u>
(2-methoxymethylethoxy) propanol (DPGME)	>5 000 (rat)	>4 000 (rabbit)	Not available

Chronic Toxicity Data

Carcinogenicity:	Some component substances in this mixture, when inhaled as respirable particulates, have carcinogenic risks. Inhalation of respirable particulate is not an applicable route of exposure for this product.
Irritation:	Inhalation of vapors of vapors ≥ 100 ppm, can irritate the respiratory tract.
Corrosivity:	Not applicable
Sensitization:	Not applicable
Neurological Effects:	Not available
Genetic Effects:	Not available
Reproductive Effects:	Not available
Developmental Effects:	Not available
Target Organ Effects:	Not available

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Section 12: Ecological Information

Ecotoxicity: Not available
Persistence/Degradability: Not available
Bioaccumulation/Accumulation: Product is not readily biodegradeable.
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, the supplier 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.
EU: Waste must be disposed of in accordance with relevant EU Directives and national, regional and local environmental control regulations.

Section 14: Transport Information:

U.S. Hazardous Materials Regulation (DOT 49CFR): May be shipped as Dangerous Goods in Limited Quantities.
 NA1993, Combustible Liquid N.O.S. ([2-methoxymethylethoxy] propanol)
 PG III.

Canadian Transportation of Dangerous Goods (TDG): Not regulated
ADR/RID: Not regulated
IMDG: Not regulated
Marine Pollutants: Not applicable
ICAO/IATA: Not regulated

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: Combustible
 Sec. 313: Not applicable
 CERCLA RQ: Not applicable

California Prop 65: Not applicable

Canada

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: B3 – Combustible liquid

DSL: All component substances are listed on Canada's Domestic Substances List (DSL).

EU Classification for the Substance/Preparation

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

SAFETY DATA SHEET**Safety Phrases:** S1/2: Keep locked up and out of the reach of children.**Section 16: Other Information****Preparation Information:****Revision Date:** May 25, 2011**Manufacturer Disclaimer:**

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