

SAFETY DATA SHEET

Section 1: Product and Company Identification

Product Name: LA-CO LOC® Anaerobic
Product Code: 49050, 49055, 49056, 49057, 49250,
Product Use: General purpose pipe thread sealant
Supplier: 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

2.1 Classification of the substance or mixture according to GHS Classifications (UNECE 3rd Revised Edition):

Skin Irrit. 2; H315
 Eye Dam. 2A; H319
 STOT SE 3; H335
 STOT RE 2; H373

2.2 Label elements:



Warning.

H315: Causes skin irritation.
 H319: Causes serious eye irritation.
 H335: May cause respiratory irritation.
 H373: May cause damage to organs through prolonged or repeated exposure through inhalation and if swallowed.

Prevention

P260: Do not breathe fume and vapors.
 P264: Wash exposed skin thoroughly after handling.
 P271: Use only in a well-ventilated area.
 P280: Wear protective gloves/ eye protection /face protection.

Response

P302+P352: IF ON SKIN: Wash with plenty of soap and water.
 P332+P313: If skin irritation occurs: Get medical advice/attention.
 P362: Take off contaminated clothing and wash before reuse.
 P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P312: Call a POISON CENTER or doctor/physician if you feel unwell.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
 P337+P313: If eye irritation persists: Get medical advice/attention.

Storage

P405: Store locked up.

Disposal

P501: Recycle and or dispose of contents/containers in accordance with local/regional/national/ international regulations.

2.4 Other hazard classifications:

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

Canada: This is a controlled product under WHMIS.



D2A

European Communities (EC): This product is classified as hazardous according to CLP Regulation (EC) No 1272/2008.

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Section 3: Composition / Information on Ingredients

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Wt. %</u>	<u>GHS Classifications</u> according to UNECE 3 rd Revised Edition
<u>Non-hazardous ingredients:</u>			
Trade secret mixture of Polyester resin and PTFE	Not available	Not available	Not classified as hazardous
Tetraethylene glycol di(2-ethylhexoate)	18268-70-7	7 - 13	Not classified as hazardous
Mica	12001-26-2	10 - 30	Not classified as hazardous
Fumed silica	112945-52-2	1 - 5	Not classified as hazardous
Titanium dioxide	13463-67-7	0.5 – 1.5	Not applicable
<u>Hazardous ingredients:</u>			
Octan-1-ol	111-87-5	5 - 15	Flamm. Liq. 4 Eye Irrit. 2B
Cumene hydroperoxide	80-15-9	1 - 5	Org. Perox. E Acute Tox. 3 Acute Tox. 4 Acute Tox. 4 STOT RE 2 Skin Corr. 1B Aquatic Chronic 2
Methanol	67-56-1	0.1 - 1	Flam. Liq. 2 Acute Tox. 3 Acute Tox. 3 Acute Tox. 3 STOT SE 1

Section 4: First Aid Measures

4.1 Description of first aid measures:

Inhalation: If symptoms are experienced, remove source of contamination or have victim move to fresh air. Call a POISON CENTER or doctor/physician if you feel unwell.

Eye Contact: Immediately flush the contaminated eye(s) with water for several minutes while holding the eyelids open. If irritation persists, obtain medical attention.

Skin Contact: If irritation does occur wash with plenty of soap and water. If irritation persists, obtain medical advice.

Ingestion: If swallowed, immediately call a POISON CENTER or doctor/physician. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Immediately call a POISON CENTER or doctor/physician.

4.2 Most important symptoms and effects, both acute and delayed:

Inhalation: Exposures to high vapor or mist concentrations can cause respiratory tract irritation. Symptoms include cough, sore throat and irritated nasal passages.

Eye Contact: Direct contact with the paste can cause serious eye irritation. Symptoms include redness, swelling, pain, tearing and impaired vision.

Skin Contact: May cause moderate skin irritation. Symptoms include redness, swelling, itching and dryness.

Ingestion: Not an expected route of exposure with normal use of the product. Harmful if aspirated into the lungs during swallowing and vomiting. Aspiration into the lungs may cause pulmonary edema, a life-threatening condition; symptoms of pulmonary edema may be delayed several hours.

4.3 Indication of any immediate medical attention and special treatment needed:

If in eyes, get immediate medical advice/attention.

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Section 5: Fire Fighting Measures

5.1 Extinguishing media:

Use dry chemicals, carbon dioxide, appropriate foam, water fog, or water spray.

5.2 Special hazards arising from the substance:

Not classified as flammable or combustible Flashpoint: >93.3°C ASTM D-56

5.3 Advice for firefighters:

If involved in a fire, combustion may produce toxic and irritating fumes and gases. Carbon dioxide, carbon monoxide, Hydrogen fluoride, smoke, fumes, and/or unburned hydrocarbons.

As for any fire, evacuate the area and fight the fire from a safe distance. Firefighters must wear full protective clothing and positive pressure self-contained breathing apparatus.

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

Wear protective gloves, goggles and clothing. Do not breathe vapors. Ventilate the area.

6.2 Environmental precautions:

Bulk releases are not anticipated under normal conditions. Prevent the liquid from entering sewers or waterways.

6.3 Methods and material for containment and cleaning up:

Stop the spill if it is safe to do so.

Clean up spills immediately. Absorb spilled material with dry earth, sand, or other non-combustible absorbent material and transfer to appropriate, covered and labeled waste containers.

6.4 Additional Information:

See Section 8 for information on selection of personal protective equipment.

See Section 13 for information on disposal of spilled product and contaminated absorbents.

Section 7: Handling and Storage

7.1 Precautions for safe handling:

Keep out of reach of children.

Avoid breathing vapors. Avoid contact with skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a well ventilated place. Keep containers tightly closed when not in use. Store product in its original container.

Empty containers may retain product residue, do not re-use containers for other purposes.

Section 8: Exposure Controls/Personal Protection

8.1 Control parameters:

Occupational Exposure Limits:

Consult local authorities for acceptable exposure limits.

<u>Component</u>	<u>ACGIH TLV</u> (8-hr. TWA) (mg/m ³)	<u>U.S. OSHA PEL</u> (8-hr. TWA) (mg/m ³)	<u>British Columbia (Canada)</u> TWA (mg/m ³)
Cumene hydroperoxide	1 ppm Skin	Not established	1 ppm Skin

8.2 Exposure controls:

Engineering Controls:

General ventilation is normally adequate. Provide adequate ventilation to keep vapor concentrations below the exposure limits listed above particularly in confined areas.

Personal Protection: Workers must comply with the Personal Protective Equipment requirements of the workplace in which this product is handled.

Eye/Face Protection: Safety glasses equipped with side shields are recommended as minimum protection in industrial settings.

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Skin Protection: Avoid contact with the skin. Wear gloves made of butyl rubber or neoprene when needed to prevent repeated or prolonged skin contact.

Respiratory Protection: If ventilation and other engineering controls and work practices are not effective in controlling exposure to mists/aerosols of this material, then wear suitable personal protective equipment including approved respiratory protective equipment (RPE). In workplaces where respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection. Consult with respirator manufacturer to determine respirator selection, use and limitations.

Other Protection: If product comes in contact with clothing, immediately remove soaked clothing. Promptly remove and discard contaminated leather goods (e.g. watchbands, belts).

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties:

Appearance:	Liquid paste, white
Odor:	Mild odor.
Odor threshold:	Not applicable
pH:	Not applicable
Melting point/freezing point:	Not available
Initial boiling point and boiling range:	>149°C (>300°F)
Flash point:	>93°C (>200°F)
Flammability	Not available
Auto-ignition temperature:	Not available
Upper/lower flammability or explosive limits:	Not available
Explosive properties:	Not available
Oxidizing properties:	Not available
Sensitivity to mechanical impact:	Not available
Sensitivity to static discharge:	Not available
Vapor pressure:	≤10 mm Hg
Vapor density:	Not available
Relative density:	1.23 (water = 1)
Solubility (is):	Slightly soluble in water.
Partition coefficient (n-octane/water):	Not available
Decomposition temperature:	Not available
Viscosity:	200000 – 500000 cps
VOC:	≤3% (wt/wt)

Section 10: Stability and Reactivity

10.1 Reactivity:

Not classified for reactivity hazards.

10.2 Chemical Stability:

Stable at normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of Hazardous Reactions:

None known

10.4 Conditions to Avoid:

Do not use in conditions of heat or near open flames and sparks. Avoid direct sunlight.

10.5 Incompatible Materials:

Incompatible with strong reducing agents and strong oxidizers such as liquid chlorine and oxygen.

10.6 Hazardous Decomposition Products:

Combustion may produce irritating and/or toxic gases which may include hydrogen fluoride, perfluoroisobutylene, formaldehyde and carbonyl fluoride.

SAFETY DATA SHEET**Section 11: Toxicological Information****11.1 Information on toxicological effects:****Acute Health Effects:**

Inhalation: Based on information for the component substances, exposures to high vapor concentrations can cause respiratory tract irritation.

Ingestion: Not an expected route of exposure with normal use of the product. Contains substances which may be harmful or toxic if swallowed, such as methanol.

Skin: Product can cause mild to moderate skin irritation when in prolonged contact with skin.

Eye: Direct contact with the paste can cause serious eye irritation.

Acute Toxicity Data: Acute toxicity information is not available for the mixture.

Chronic Health Effects:

Repeated or prolonged skin contact may cause dermatitis and/or skin dryness and cracking.

Sensitization:

Not available

Neurological Effects:

Not available

Genetic Effects:

Not available

Reproductive Effects:

Data are not available.

Developmental Effects:

Contains methanol a substance which may cause harm to the unborn child.

Target Organ Effects:

Eyes.

Carcinogenicity:

Titanium dioxide IARC: (International Agency for Research on Cancer) evaluation for Titanium dioxide lists this substance in Group 2B – for exposures to airborne unbound particles of respirable size. This is not a relevant route of exposure for this product.

Medical Conditions Aggravated by Exposure:

Repeated skin contact may aggravate an existing dermatitis.

Disorders of the Respiratory System, Liver, Kidneys and Central Nervous System (CNS) may be aggravated by over-exposure by inhalation or ingestion of this material.

Interactions With Other Chemicals:

Data are not available.

Section 12: Ecological Information**12.1 Toxicity:**

Not available

12.2 Persistence and degradability:

Not available

12.3 Bioaccumulative potential:

Not expected to bioaccumulate.

12.4 Mobility in soil:

Not available

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Section 13: Disposal Considerations

13.1 Waste treatment methods:

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. Dispose of in accordance with local, state/provincial and federal laws and regulations.

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.

Section 14: Transport Information:

Transport Regulations:

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.

IMO Classification: Not regulated as a dangerous good for transport.

ICAO/IATA Classification: Not regulated as a dangerous good for transport.

Section 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

USA

OSHA: Hazardous Chemical according to OSHA Hazard Communication Standard 29 CFR 1910.120 (2012).

SARA Title III

Sec. 302/304: None
 Sec. 311/312: Immediate health; Combustible
 Sec. 313: Cumene hydroperoxide
 CERCLA RQ: None

California Prop 65: Methanol – developmental toxin
 Contains Titanium dioxide but not as airborne unbound particles of respirable size.

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:

D2A- Material causing other toxic effects. Untested mixture containing methanol. Untested mixture containing serious eye and skin irritant.

DSL Status:

All component substances listed on the DSL (Domestic Substances List).

Europe

Classification of the substance or mixture according to CLP Regulation (EC) No 1272/2008.
 Skin Irrit. 2; H315
 Eye Dam. 2A; H319
 STOT SE 3; H335
 STOT RE 2; H373

SAFETY DATA SHEET**Section 16: Other Information****Preparation Information:****Revision date:** April 30, 2013**References and sources for data:**

CCOHS – ChemInfo

Legend to abbreviations:

ACGIH – American Conference of Governmental Industrial Hygienists

GHS- Globally Harmonised System for Classification and Labeling

IARC – International Agency for Research on Cancer

LD50- Median lethal dose; the dose causing 50 % lethality

LEV- Local exhaust ventilation

OSHA – United States, Occupational Safety and Health Administration

STEL – Short term exposure limit

TWA – Time weighted average

TLV - Threshold Limit Value

NTP – National Toxicology Program

WHMIS – Canada, Workplace Hazardous Materials Information System

Supplier Note:

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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