

# Material Safety Data Sheet

## Section 1 Product and Company Identification

**Product Name:** **LA-CO LOC Anaerobic**  
**Revision #:** 3.1 **Date Prepared:** November 13, 2000 **Date Revised:** June 25, 2007

**Manufacturer:**  
**LA-CO INDUSTRIES, Inc./Markal Co.**  
 1201 Pratt Blvd.  
 Elk Grove Village, IL, USA 60007-5746  
**Information Telephone:** 847-956-7600  
**Emergency Telephone:** Call CHEMTREC  
 USA 800-424-9300  
 International (Call Collect) 1-703-527-3887  
**Chemical Formula:** Mixture  
**CAS No.:** Not Applicable. **Derivation:** Not Applicable.  
**Synonyms:** Not Applicable.  
**General Use:** Pipe thread sealant for metal threads.

**Supplier/Importer:**

## Section 2 Composition/Information on Ingredients

<u>Ingredient</u>	<u>CAS No.</u>	<u>%</u>
Polyglycol dimethacrylate	25852-47-5	35-40
	25103-87-1	25-30
Polymeric Plasticizer		
Cellulose Ester	9004-36-8	15-20
Poly (tetrafluoroethylene)	9002-84-0	5 – 10
Silica, amorphous, treated ACGIH (TLV): 10 mg/m <sup>3</sup> (Inhal) 3 mg/m <sup>3</sup> (Resp); OSHA (PEL): 20 mppcf	112945-52-5	3 - 5
Cumene hydroperoxide <sup>1,3,4,5,6</sup> Target organ effects: Central nervous system, mutagen	80-15-9	1 – 3
Saccharin	81-07-2	1 – 3
Titanium dioxide <sup>3,4,5</sup> ACGIH (TLV): 10 mg/m <sup>3</sup> ; OSHA (PEL): 15 mg/m <sup>3</sup> Total dust	13463-67-7	1 - 3
Methyl Alcohol <sup>1,3,4,5,6</sup>	67-56-1	0.1-1
N,N-Dialkyltoluidines	613-48-9	0.1-1
Poly (Ethylene)	9002-88-4	0.1-0.5

(For Section 2 footnotes: See Section 15)

## Section 3 Hazards Identification

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**EMERGENCY OVERVIEW:** CAUTION: May irritate sensitive skin. Contains methacrylic ester. Wash after skin contact. KEEP AWAY FROM CHILDREN.

#### POTENTIAL HEALTH EFFECTS

**Primary Exposure Routes:** Eyes, Skin, Ingestion

##### Acute Effects

**Eyes:** Mild eye irritant.

**Skin:** May irritate sensitive skin.

**Ingestion:** May cause stomach upset.

**Inhalation:** Does not apply.

##### Chronic Effects

**Eyes:** None known.

**Skin:** May cause dermatitis on prolonged contact in sensitive individuals.

**Ingestion:** None known.

**Inhalation:** Does not apply.

**Carcinogenicity:** Does not apply. **Target Organ Effects:** See Section 2.

**Medical Conditions Aggravated by Long-Term Exposure:** Not Determined.

**Other Information:** Not Applicable.

## Section 4 First Aid

**Eye Contact:** Flush at least 15 minutes with water. Obtain medical attention.

**Skin Contact:** Wash with soap and water.

**Ingestion:** Do not induce vomiting. Keep individual calm. Obtain medical attention.

**Inhalation:** Remove to fresh air. If symptoms persist, obtain medical attention.

**Other Information:** Not Applicable.

## Section 5 Fire Fighting Measures

**Flash Point (method):** > 200°F/93°C (tcc)

**Autoignition Temperature:** Not determined.

**LEL:** Not determined. **UEL:** Not determined.

**Flammability Classification:** NFPA Class III B

**Extinguishing Media:** Carbon dioxide, foam, dry chemical.

**Hazardous Combustion Products:** Toxic fluorides.

**Unusual Fire or Explosion Hazards:** None known.

**Fire-Fighting Instructions/Equipment:** Keep personnel removed and upwind of any fire. Wear full fire-fighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

## Section 6 Accidental Release Measures

Use recommended personal protective equipment (see Section 8).

**Small and Large Spills:** Soak up in inert absorbent. Store in a partly filled, closed container until disposal.

## Section 7 Handling and Storage

**Handling Precautions:** Use recommended personal protective equipment (see Section 8). Wash thoroughly after handling.

**Storage Requirements:** Store away from incompatible chemicals (see Sec. 10). Store in a cool, dry area, below 110°F.

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## Section 8 Exposure Controls/Personal Protection

**Eye/Face Protection:** Safety glasses or goggles.  
**Skin/Hand Protection:** Rubber or plastic gloves.  
**Respiratory Protection:** Not Applicable.  
**Other Equipment:** Eye wash and safety shower. Suitable for related activities where this product is used.  
**Engineering Controls:** Normal room ventilation. Local exhaust in confined areas. Suitable for related activities where this product is used.  
**Administrative Controls:** Users of this product must be properly trained and qualified in its use.  
**Other Information:** No food or beverage should be consumed in the work area. Wash thoroughly before eating, drinking, or smoking.

## Section 9 Physical and Chemical Properties

**Appearance/Physical State:** White paste.  
**Odor:** Mild  
**Odor Threshold (ppm):** Not Determined.  
**Specific Gravity (H<sub>2</sub>O = 1):** 1.1 at 80°F / 27°C.  
**Solubility - Water:** Slight

**pH:** Not Applicable.  
**Melting Point:** Not determined.  
**Boiling Point:** > 300°F / 150°C  
**Vapor Pressure (mm Hg at 20°C):** < 10 mm at 80°F / 27°C.  
**Vapor Density (Air = 1):** Not determined.  
**Evaporation Rate (n-BuAc=1):** Not determined.  
**V.O.C. (U.S. Clean Air Act Section 111):** 1 - 8%(w/w), 1 – 10.5%(v/v), 0.1 – 0.55lbs./gal.(U.S.), 0.012 - 0.087 kg/l  
**Flash Point (method):** (see Section 5)  
**Autoignition Temperature:** (see Section 5)  
**Flammability Classification:** (see Section 5)  
**Unusual Fire or Explosion Hazards:** (see Section 5)  
**Oxidizing Properties:** Not Applicable.  
**Other Information:** None.  
**Note:** The physical data represented above are typical values and should not be construed as a specification.

## Section 10 Stability and Reactivity

**Chemical Stability:** Stable  
**Hazardous Polymerization:** Will Not Occur  
**Conditions to Avoid:** Temperatures in excess of 150 °F.  
**Chemicals to Avoid:** Avoid contamination with base materials.  
**Hazardous Decomposition Products (non-thermal):** None known.

## Section 11 Toxicological Information

**Sensitization to Product:** Not Applicable.  
**Irritancy of Product:** : Mild eye irritant. May irritate sensitive skin.

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**Reproductive Toxicity:** Not Applicable.  
**Teratogenicity:** Not Applicable.  
**Mutagenicity:** Cumene hydroperoxide (see Section 2)

Further hazard information, if applicable, may be found in Section 3. Toxicological information regarding individual ingredients, if applicable, may be found in Section 2.

## Section 12 Ecological Information

**Mobility:** Not Determined.      **Ecotoxicity:** Not Determined.  
**Degradability:** Not Determined.      **Other Adverse Effects:** Not Determined.  
**Accumulation:** Not Determined.

## Section 13 Disposal Considerations

Incinerate following U.S. EPA and local regulations.

## Section 14 Transport Information

**D.O.T. (U.S.)**      **TDG (Canada):** Not Regulated.  
**Proper Shipping Name:** Not Regulated.      **IATA:** Not Regulated.  
**Hazard Class or Division:** Not Regulated.      **ICAO:** Not Regulated.  
**Hazard Label:** Not Regulated.      **IMO:** Not Regulated.  
**I.D. Number:** Not Regulated.

**Australian Code for the Transport of Dangerous Goods**  
**Dangerous Goods Class and Subsidiary Risk:** Not Determined.

## Section 15 Regulatory Information

### Footnotes for Section 2:

- 1 Subject to the reporting requirements of SARA Title III, Section 313.
- 2 Appears on the California Safe Drinking Water and Toxic Enforcement Act (Prop. 65) Substances List.
- 3 Appears on the Massachusetts Substances List.
- 4 Appears on the New Jersey Right-To-Know Hazardous Substances List.
- 5 Appears on the Pennsylvania Hazardous Substances List.
- 6 Appears on the Canadian WHMIS Ingredient Disclosure List.

### U.S.A.

**OSHA Hazard Status:** This product is considered to be hazardous as defined by the U.S. OSHA HCS (29 CFR 1910.1200).

**EPA SARA sec. 311/312 Hazard Categories:** Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard.

**Toxic Substances Control Act (TSCA):** All ingredients contained in this product are listed on the U.S. EPA TSCA Chemical Substance Inventory.

**HMIS® Rating:** Health 1, Flammability 1, Reactivity 1

**NFPA® (704) Rating:** Health 1, Flammability 1, Reactivity 1

**CA Prop. 65:** N/A

### CANADA

**WHMIS Status:** This product is considered to be hazardous as defined by Canadian WHMIS Controlled Products Regulations.

**WHMIS Rating:** D-1B, D-2B

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**WHMIS Risk Phrases:** Caution: May irritate sensitive skin. (None required on containers of 100 ml or less per CPR, Section 19[1][a]-[d]).

**WHMIS Precautionary Statements:** Contains methacrylic ester. Keep away from children. (None required on containers of 100 ml or less per CPR, Section 19[1][a]-[d]).

**Domestic Substances List (DSL):** All ingredients contained in this product are listed on the Canadian EPA (CEPA) Domestic Substances List (DSL).

### E.U.

**European Inventory of Existing Chemical Substances (EINECS):** All ingredients contained in this product are listed on the European Inventory of Existing Chemical Substances (EINECS).

**Categories of Danger (Labeling Information):** Irritant (Xn)

**Risk (R) Phrases:** Possible risk of irreversible effects (R40). (None required on containers of 125 ml or less per regulation 9 (8) of CHIP.)

**Safety (S) Phrases:** Keep out of reach of children (S2), When using do not smoke (S21), Do not breath vapor (S23), Avoid contact with skin and eyes (S24, 25), If swallowed, seek medical advice and show this container, label or Safety Data Sheet (S46). (None required on containers of 125 ml or less per regulation 9 (8) of CHIP.)

### AUSTRALIA

**Worksafe Australia Status:** Not determined.

**HAZCHEM Code:** Not determined.

**Poisons Schedule Number:** Not determined.

Further regulatory information regarding individual ingredients, if applicable, may be found in Section 2.

This product has been classified in accordance with the hazard criteria of the U.S. OSHA Hazard Communication Standard, the Canadian WHMIS Controlled Products Regulations, the British CHIP2 regulation 6, and the Australian NMRCWHS. This MSDS contains the information required by the above regulations and conforms to ANSI Z400.1-1993.

## Section 16

## Other Information

HMIS is a registered trademark of the National Paint and Coatings Association.

NFPA is a registered trademark of the National Fire Protection Association.

**MSDS Prepared By:** Director of Chemical Safety

**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.**