Material Safety Data Sheet

Section 1 Product and Company Identification

Product Name: LA-CO LOC Anaerobic

Revision #: 2.0 Date Prepared: November 13, 2000 Date Revised: June 22, 2001

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

Ingredient	CAS No.	<u>%</u>
Bisphenol A fumarate resin	39382-25-7	25 - 30
Silica, mica ^{3,4,5,6} ACGIH (TLV): 3 mg/m ³ ; OSHA (PEL): 20 mppcf. Target organ effects: Lungs	12001-26-2	15 – 20
Octanol ⁵ Target organ effects: Central nervous system	111-87-5	10 – 15
Polyglycol dimethacrylate	25852-47-5	10 – 15
Polyglycol dioctanoate	18268-70-7	10 – 15
Poly (tetrafluoroethylene)	9002-84-0	5 – 10
Silica, amorphous, treated ACGIH (TLV): 10 mg/m³ (Inhal) 3 mg/m³ (Resp); OSHA (PEL): 20 mppcf	68909-20-6	3 - 5
Cumene hydroperoxide ^{1,3,4,5,6} Target organ effects: Central nervous system, mutagen	80-15-9	1 – 3
Organic esters*	Proprietary	1 – 3
Titanium dioxide ^{3,4,5}	13463-67-7	1 - 3

ACGIH (TLV): 10 mg/m³; OSHA (PEL): 15 mg/m³ Total dust

(For Section 2 footnotes: See Section 15)

Section 3 Hazards Identification

^{*}The specific chemical identity is being withheld as a trade secret per OSHA Hazard Communication Standard 29 CFR 1910.1200(i). The organic esters are registered with the state of New Jersey as a trade secret ingredient: NJ TSRN 06-070-1067-5085. This ingredient does not appear on the WHMIS Ingredient Disclosure List.

Revision #: 2.0 Date Prepared: November 13, 2000 Date Revised: June 22, 2001

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

Eves: Mild eye irritant.

Skin: May irritate sensitive skin. Dermal LD50 more than 5000 mg / kg. **Ingestion:** May cause stomach upset. Oral LD50 more than 10,000 mg / kg.

Inhalation: None known.

Chronic Effects
Eyes: None known.

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

Ingestion: None known. **Inhalation:** None known.

Carcinogenicity: WARNING: This product contains chemicals known to the State of California to cause

cancer and birth defects or other reproductive harm.

Benzene

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: Approximately 1% for Octanol. **UEL:** Approximately 8% for Octanol.

Flammability Classification: NFPA Class IIIB

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.

Revision #: 2.0 Date Prepared: November 13, 2000 Date Revised: June 22, 2001

Storage Requirements: Store away from incompatible chemicals (see Sec. 10). Store in a cool, dry

area, below 100°F.

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 ($H_2O = 1$): 1.21 at 80°F / 27°C.

Solubility - Water: Slight

- Fat: Soluble

Coefficient of Water/Oil Solubility: <1
Partition Coefficient (n-octanol/water): >1

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): 10 - 15%(w/w), 14 - 21%(v/v), 0.7 - 1.07 lbs./gal.(U.S.), 0.08

-0.12 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: None known. Chemicals to Avoid: None known.

Hazardous Decomposition Products (non-thermal): None known.

Revision #: 2.0 Date Prepared: November 13, 2000 Date Revised: June 22, 2001

Section 11 Toxicological Information

Sensitization to Product: Not Applicable.

Irritancy of Product: : Mild eye irritant. May irritate sensitive skin.

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.
Hazard Class or Division: Not Regulated.
Hazard Label: Not Regulated.
Hazard Label: Not Regulated.

IMO: 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>U.S.A.</u>

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: WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. (Benzene)

Revision #: 2.0 Date Prepared: November 13, 2000 Date Revised: June 22, 2001

CANADA

WHMIS Status: This product is considered to be hazardous as defined by Canadian WHMIS Controlled

Products Regulations. **WHMIS Rating:** D-1B, D-2B



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.