Material Safety Data Sheet

Section 1  Product and Company Identification

Product Name: OXY-TITE PASTE
Revision #: 234  Date Prepared: June 11, 1993  Date Revised: September 9, 2008

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 oxygen service.

Supplier/Importer:

Section 2  Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS No.</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(For Section 2 footnotes: See Section 15)

Section 3  Hazards Identification

EMERGENCY OVERVIEW: None.

POTENTIAL HEALTH EFFECTS
Primary Exposure Routes: None.
Acute Effects
  Eyes: Can cause mechanical irritation.
  Skin: None known.
  Ingestion: None known.
  Inhalation: None known.
Chronic Effects
  Eyes: None known.
  Skin: None known
  Ingestion: None known.
  Inhalation: None known.
Carcinogenicity: Not Applicable.
Target Organ Effects: Not Applicable.
Medical Conditions Aggravated by Long-Term Exposure: Not Determined.
Other Information: Not Applicable.

Section 4  First Aid
### Section 5  Fire Fighting Measures

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point (method)</td>
<td>None.</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>806°F to 824°F (430°C to 440°C) per ASTM G-72.</td>
</tr>
<tr>
<td>LEL</td>
<td>Not Determined.</td>
</tr>
<tr>
<td>UEL</td>
<td>Not Determined.</td>
</tr>
<tr>
<td>Flammability Classification</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Extinguishing Media</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Hazardous Combustion Products</td>
<td>Hydrogen fluoride and perfluorocarbon olefins when heated above 500°F (260°C).</td>
</tr>
<tr>
<td>Unusual Fire or Explosion Hazards</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Fire-Fighting Instructions/Equipment</td>
<td>Keep personnel removed and upwind of any fire. Wear full fire-fighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).</td>
</tr>
</tbody>
</table>

### Section 6  Accidental Release Measures

**WARNING:** DO NOT REUSE SPILLED MATERIAL. CONTAMINATION WILL COMPROMISE THE INTEGRITY OF THIS PRODUCT.

- Use recommended personal protective equipment (see Section 8).
- **Small Spill:** Scrape up.
- **Large Spill:** Scrape or shovel up.

### 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.

### Section 8  Exposure Controls/Personal Protection

- **Eye/Face Protection:** Safety glasses or goggles recommended as good industrial practice.
- **Skin/Hand Protection:** Not applicable.
- **Respiratory Protection:** Not applicable.
- **Other Equipment:** Eye wash recommended as good industrial practice.
- **Engineering Controls:** Normal room ventilation. Local exhaust in confined areas.
- **Administrative Controls:** Users of this product must be properly trained and qualified to work with oxygen.
- **Other Information:** Not applicable.

### Section 9  Physical and Chemical Properties

- **Appearance/Physical State:** White paste.
- **Odor:** None.
Section 10  Stability and Reactivity

Chemical Stability: Stable.
Hazardous Polymerization: Will not occur.
Conditions to Avoid: Avoid heating above 450°F (232°C)
Chemicals to Avoid: Strong alkalies and Lewis acids above 212°F (100°C)
Hazardous Decomposition Products (non-thermal): Hydrogen fluoride, perfluorocarbon olefins, COF₂.

Section 11  Toxicological Information

Sensitization to Product: Not Applicable.
Irritancy of Product: Not applicable.
Reproductive Toxicity: Not Applicable.
Teratogenicity: Not Applicable.
Mutagenicity: Not Applicable.

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

Section 13  Disposal Considerations
**Section 14  Transport Information**

**U.S. D.O.T.**
- **Proper Shipping Name:** Not Regulated.
- **Hazard Class or Division:** Not Regulated.
- **I.D. Number:** Not Regulated.
- **CANADIAN TDG:** Not Regulated.
- **IATA:** Not Regulated.
- **ICAO:** Not Regulated.
- **IMO:** 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 Substances List.
3. Appears on the Massachusetts Substances List.
4. Appears on the New Jersey Right-To-Know Hazardous Substances List.
6. Appears on the Canadian WHMIS Ingredient Disclosure List.

**U.S.A.**
- **OSHA Hazard Status:** This product is not considered to be hazardous as defined by the U.S. OSHA HCS (29 CFR 1910.1200).
- **EPA SARA sec. 311/312 Hazard Categories:** Not Applicable.
- **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 0, Flammability 0, Reactivity 0
- **NFPA Rating:** Health 2, Flammability 0, Reactivity 0

**CANADA**
- **WHMIS Status:** This product is not considered to be hazardous as defined by Canadian WHMIS Controlled Products Regulations.
- **WHMIS Rating:** None.
- **WHMIS Risk Phrases:** None.
- **WHMIS Precautionary Statements:** None.
- **Domestic Substances List (DSL):** All ingredients contained in this product are listed on the Canadian EPA (CEPA) Domestic Substances List (DSL).
- **European Inventory of Existing Chemical Substances (EINECS):** All ingredients contained in this product are listed on the European Inventory of Existing Chemical Substances (EINECS).
- **CHIP 2 Categories of Danger (England):** None.

**AUSTRALIA**
- **Worksafe Australia Status:** This product is not classified as hazardous according to criteria of Worksafe Australia.
- **HAZCHEM Code (Australia):** None.
- **Poisons Schedule Number (Australia):** None.
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**

**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.