

# Material Safety Data Sheet

## Section 1 Product and Company Identification

**Product Name:** Thermomelt Stik and Pellet 2000°F / 1093°C  
**MSDS #:** T2000  
**Revision #:** 2.0  
**Date Prepared:** June 15, 1993  
**Date Revised:** June 18, 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:** Temperature Indicator.

**Supplier/Importer:**

## Section 2 Composition/Information on Ingredients

<u>Ingredient</u>	<u>CAS No.</u>	<u>%</u>
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No Hazardous ingredients according to the U.S. OSHA Hazard Communication Standard 29 CFR 1910.1200, Canadian WHMIS regulations, British CHIP2 regulation 6, and Australian Regulations for the Control of Workplace Hazardous Substances.

(For Section 2 footnotes: See Section 15)

## Section 3 Hazards Identification

**EMERGENCY OVERVIEW:** None.

### POTENTIAL HEALTH EFFECTS

**Primary Exposure Routes:** Skin, eyes, Ingestion.

**Acute Effect**

**Eyes:** No adverse effects expected but dust may cause mechanical irritation.

**Skin:** Not expected to be a health hazard.

**Ingestion:** Large oral dosages may produce gastrointestinal disturbances and irritation.

**Inhalation:** Possible nuisance dust effect, sneezing or coughing.

**Chronic Effects:** Not expected to be a health hazard. Potassium poisoning may occur in rare cases of long exposure or ingestion.

**Carcinogenicity:** Not Applicable.

**Target Organ Effects:** Not Applicable.

**Medical Conditions Aggravated by Long-Term Exposure:** None known.

**Other Information:** Not Applicable.

## Section 4 First Aid

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**Eye Contact:** Flush with water for at least 15 minutes. If irritation occurs consult physician.  
**Skin Contact:** Wash with soap and water. Consult physician if irritation develops.  
**Ingestion:** Drink plenty of water. If large amounts were swallowed, get medical advice.  
**Inhalation:** Remove to fresh air. Get medical attention for any breathing difficulty.  
**Other Information:** Not applicable.

## Section 5 Fire Fighting Measures

**Flash Point (method):** Not Applicable.  
**Autoignition Temperature:** Not Determined.  
**LEL:** None Determined. **UEL:** Not Determined.  
**Flammability Classification:** Not applicable.  
**Extinguishing Media:** Suitable for surrounding fire.  
**Hazardous Combustion Products:** Not Applicable.  
**Unusual Fire or Explosion Hazards:** Not Applicable.  
**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 Spill:** Sweep or scrape up.  
**Large Spill:** Sweep or scrape 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:** Eye protection recommended as good industrial practice.  
**Skin/Hand Protection:** Suitable to avoid skin contact.  
**Respiratory Protection:** NIOSH approved dust/mist respirator recommended where exposure to dust is apparent.  
**Other Equipment:** Eye wash and safety shower recommended.  
**Engineering Controls:** Normal room ventilation. Local exhaust in confined areas.  
**Administrative Controls:** Users of this product must be properly trained and qualified in its use.  
**Other Information:** Not applicable.

## Section 9 Physical and Chemical Properties

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**Appearance/Physical State:** Solid Stick or Pellet.  
**Odor:** Low odor in solid state.  
**Odor Threshold (ppm):** Not Determined.  
**Specific Gravity (H<sub>2</sub>O = 1):** > 1  
**Solubility - Water:** Soluble.  
- **Fat:** Insoluble  
**Coefficient of Water/Oil Solubility:** >1  
**Partition Coefficient (n-octanol/water):** <1  
**pH:** Not Determined.  
**Melting Point:** 2000°F / 1093°C  
**Boiling Point:** Not Determined.  
**Vapor Pressure (mm Hg at 20°C):** Not Determined.  
**Vapor Density (Air = 1):** Not Determined.  
**Evaporation Rate (n-BuAc=1):** < 1  
**V.O.C.:** 0%(w/w), 0%(v/v), 0 lbs./gal.(U.S.), 0 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.

## Section 10 Stability and Reactivity

**Chemical Stability:** Stable.  
**Hazardous Polymerization:** Will Not Occur  
**Conditions to Avoid:** Not Applicable.  
**Chemicals to Avoid:** None.  
**Hazardous Decomposition Products (non-thermal):** Not Applicable.

## 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.

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**Ecotoxicity:** Not Determined.  
**Other Adverse Effects:** Not Determined.

## Section 13 Disposal Considerations

Dispose of in accordance with applicable federal, state, and local regulations. Do not contaminate any streams, lakes or ponds.

## 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.
- 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 not considered to be hazardous as defined by the U.S. OSHA HCS (29 CFR 1910.1200).

**EPA SARA sec. 311/312 Hazard Categories:** None.

**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 0, Reactivity 0

**NFPA Rating:** Health 1, 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

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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):** Not regulated per regulation 9 (7) of CHIP.

**Risk (R) Phrases:** None

**Safety (S) Phrases:** 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.**