

Material Safety Data Sheet

Section 1 Product and Company Identification

Product Name: Thermomelt Stik and Pellet 200°F / 93°C

Revision #: 2.2

Date Prepared: December 28, 1990

Date Revised: May 27, 2010

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:

Section 2 Composition/Information on Ingredients

Ingredient

CAS No.

%

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: Minimal health hazard based on available information. Ingestion may numb mouth.

POTENTIAL HEALTH EFFECTS

Primary Exposure Routes: Eyes, Inhalation, Ingestion.

Acute Effects

Eyes: May cause slight irritation.

Skin: Prolonged or repeated contact may cause irritation.

Ingestion: Small amounts swallowed incidental to normal handling operations are not likely to cause injury. May numb mouth if ingested.

Inhalation: Dust and fumes may be a transient irritant. Single exposure not likely to be a hazard.

Chronic Effects

Eyes: Not Applicable.

Skin: Not Applicable.

Ingestion: Not Applicable.

Inhalation: Not Applicable.

Carcinogenicity: Not Applicable.

Target Organ Effects: Not Applicable.

Medical Conditions Aggravated by Long-Term Exposure: None Determined.

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Other Information: Not Applicable.

Section 4 First Aid

Eye Contact: Flush with plenty of water for at least 15 minutes. Consult physician if irritation develops.

Skin Contact: Wash with soap and water. Consult physician if irritation develops.

Ingestion: If large amounts are swallowed, induce vomiting. Consult physician if necessary. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

Inhalation: Remove to fresh air. If breathing is still difficult, administer oxygen. Consult physician if symptoms develop or persist.

Other Information: Not Applicable.

Section 5 Fire Fighting Measures

Flash Point (method): 356°F / 180°C

Autoignition Temperature: None Determined.

LEL: Not Determined. **UEL:** Not Determined.

Flammability Classification: Not Determined.

Extinguishing Media: Carbon Dioxide. Dry Chemical. Foam.

Hazardous Combustion Products: Carbon Monoxide. Phenol.

Unusual Fire or Explosion Hazards: Burning will generate Carbon Monoxide and Phenol and may generate other toxic gasses.

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: Safety glasses recommended.

Skin/Hand Protection: Rubber gloves recommended.

Respiratory Protection: Suitable for organic vapors in confined areas.

Other Equipment: Eye wash and safety shower recommended.

Engineering Controls: Normal room ventilation. Local exhaust in confined areas.

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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

Appearance/Physical State: Solid Stick or Pellet.

Odor: Low odor in solid state.

Odor Threshold (ppm): Not Determined.

Specific Gravity (H₂O = 1): > 1

Solubility - Water: Insoluble.

- **Fat:** Soluble.

Coefficient of Water/Oil Solubility: >>1

Partition Coefficient (n-octanol/water): <<1

pH: Not Applicable.

Melting Point: 200°F / 93°C

Boiling Point: Not Determined.

Vapor Pressure (mm Hg at 20°C): Not Applicable.

Vapor Density (Air = 1): Not Applicable.

Evaporation Rate (n-BuAc=1): Not Applicable.

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: Strong Oxidizers.

Hazardous Decomposition Products (non-thermal): Not Determined.

Section 11 Toxicological Information

Literature reports acute oral LD50 of 6 g/kg in dogs, 8 g/kg in mice, >8 g/kg in rats.

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.

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Section 12 Ecological Information

Mobility: Not Determined.
Degradability: Literature suggests the major component of this product is readily biodegradable.
Accumulation: Not Determined.
Ecotoxicity: Not Determined.
Other Adverse Effects: Not Determined.

Section 13 Disposal Considerations

Dispose of in accordance with applicable federal, state, and local regulations.

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 0, Flammability 1, Reactivity 0

NFPA Rating: Health 0, Flammability 1, Reactivity 0

CANADA

WHMIS Status: This product is not considered to be hazardous as defined by Canadian WHMIS Controlled Products Regulations.

WHMIS Rating: None.

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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).

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.