

Material Safety Data Sheet

Section 1 Product and Company Identification

Product Name: **Thermomelt 500°F / 260°C**

Revision #: 3.3

Date Prepared: June 15, 1993

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/Importer:

Section 2 Composition/Information on Ingredients

<u>Ingredient</u>	<u>CAS No.</u>	<u>%</u>
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The specific chemical identity is being withheld as a trade secret per OSHA Hazard Communication Standard 29 CFR 1910.1200(i). No ingredient appears on the WHMIS Ingredient Disclosure List. Chemical identity not required per CHIPS Schedule 6, Part 1, paragraph 2.(2)(a).

(For Section 2 footnotes: See Section 15)

Section 3 Hazards Identification

EMERGENCY OVERVIEW: May cause eye or skin irritation.

POTENTIAL HEALTH EFFECTS

Primary Exposure Routes: Eyes, Skin, Ingestion, Inhalation

Acute Effects

Eyes: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: May be harmful if swallowed.

Inhalation: Dust or fumes may be harmful if breathed.

Chronic Effects

Eyes: None known.

Skin: Prolonged or repeated contact may cause skin irritation.

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

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Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, holding eyelids apart. Get medical attention if irritation or other symptoms occur.

Skin Contact: Immediately flush eyes with large amounts of water for at least 15 minutes. Use soap if available. Remove contaminated clothing. Get prompt medical attention if symptoms occur. Thoroughly wash clothing before reuse.

Ingestion: Get immediate medical attention. Never give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

Other Information: Not applicable.

Section 5 Fire Fighting Measures

Flash Point (method): Not applicable.

Autoignition Temperature: Not applicable.

LEL: Not applicable. **UEL:** Not applicable.

Flammability Classification: Not applicable.

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

Hazardous Combustion Products: Carbon monoxide, carbon dioxide, other toxic gases.

Unusual Fire or Explosion Hazards: Using water can cause frothing with increasing fire intensity.

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). Minimize entry of material into sewers and drainage systems.

Small and Large Spills: Sweep or scoop 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. Where contact with the eyes is likely, use chemical goggles. Use a face shield as needed.

Skin/Hand Protection: Use impervious gloves. Use clean protective body-covering clothing as needed to minimize contact with clothing and skin.

Respiratory Protection: Use a NIOSH/MSHA approved air-purifying respirator as needed to control exposure. Consult with respirator manufacturer to determine respirator selection, use, and limitations. Use a positive pressure air supplied respirator for uncontrolled releases or when air purifying respirator limitations may be exceeded. Follow respiratory protection program requirements (OSHA 1910.134 and ANSI Z88.2) for all respirator use.

Other Equipment: Eye wash and safety shower. Suitable for related activities where this product is used.

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to control sources of dust or fumes.

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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: Solid cylindrical stick.

Odor: Low.

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: 500°F/260°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. (U.S. Clean Air Act Section 111): 0%(w/w)

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: Strong oxidizers. Strong bases. Grinding or mixing in the presence of dry alkali (i.e. sodium hydroxide, potassium hydroxide) may cause auto-ignition.

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

Section 11 Toxicological Information

Sensitization to Product: Not Applicable.

Irritancy of Product: May cause eye and skin irritation.

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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Ecological Information

Mobility: Not Determined.

Ecotoxicity: Not Determined.

Degradability: Not Determined.

Other Adverse Effects: Not Determined.

Accumulation: Not Determined.

Section 13

Disposal Considerations

Dispose of in accordance with all applicable regulations.

Section 14

Transport Information

D.O.T. (U.S.)

Proper Shipping Name: Not Regulated.

Hazard Class or Division: Not Regulated.

Hazard Label: Not Regulated.

I.D. Number: Not Regulated.

TDG (Canada): 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 (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.

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 2, Flammability 1, Reactivity 0

NFPA® (704) Rating: Health 2, Flammability 1, Reactivity 0

CANADA

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

WHMIS Rating: D-1B

WHMIS Risk Phrases: None required on containers of 100 ml or less per CPR, Section 19[1][a]-[d].

WHMIS Precautionary Statements: 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 (Xi)

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Risk (R) Phrases: Not required on containers of 125 ml or less per regulation 9 (8) of CHIP.

Safety (S) Phrases: Not 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.