

Material Safety Data Sheet

Section 1 Product and Company Identification

Product Name: Thermomelt 138°F / 59°C
Revision #: 2.2 **Date Prepared:** February 23, 2001 **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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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.

Section 3 Hazards Identification

EMERGENCY OVERVIEW: Minimal health hazard based on available information.

POTENTIAL HEALTH EFFECTS

Primary Exposure Routes: Eyes, Skin, Ingestion, Inhalation

Acute Effects

Eyes: Hot fumes may be irritating to the eyes.

Skin: May be absorbed through skin.

Ingestion: May upset stomach.

Inhalation: Hot fumes may be irritating.

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 Known.

Other Information: Not Applicable.

Section 4 First Aid

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting upper and lower eyelids. Check for and remove contact lenses. Do not let victim rub eyes. Do not

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attempt to neutralize with chemical agents. Do not use eye ointment. Seek medical attention.
Skin Contact: Wash with water, use soap if available. Wash contaminated clothing before reuse.
Ingestion: DO NOT induce vomiting. If affected person is conscious give plenty of water to drink. If vomiting occurs, keep head below the hips to reduce the risks of aspiration. Give victim water again. Never give anything by mouth to an unconscious person. Consult physician.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. Oxygen may be administered if breathing is difficult. Seek medical attention.
Other Information: Not applicable.

Section 5 Fire Fighting Measures

Flash Point (method): 300°F/149°C (PMCC)
Autoignition Temperature: 572°F/300°C
LEL: Not Determined. **UEL:** Not Determined.
Flammability Classification: NFPA Class III B
Extinguishing Media: Dry chemical powder. Water spray, fog or foam. Do not use water jet.
Hazardous Combustion Products: Carbon monoxide, carbon dioxide.
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 Spill: Sweep or scrape up.
Large Spill: Isolate spill area and restrict non-essential personnel from area. Use an approved, properly fitted, powered-air purifying respirator or respirator of equivalent or greater protection. Stop leak if without risk. Dike spill area and use a non-sparking or explosion proof means to transfer material to an appropriate container for disposal. Do not allow to enter drains or watercourses.

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 suitable eye protection for related activities where this product is used.
Skin/Hand Protection: Neoprene or nitrile gloves.
Respiratory Protection: Wear organic vapor respirator when ventilation is inadequate.
Other Equipment: Eye wash and safety shower.
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.

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Thermomelt 138°F / 59°C

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Section 9 Physical and Chemical Properties

Appearance/Physical State: Cylindrical solid.

Odor: Wax-like.

Odor Threshold (ppm): Not Determined.

Specific Gravity (H₂O = 1): 0.85

Solubility - Water: Insoluble

- Fat: Soluble

Coefficient of Water/Oil Solubility: <<1

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

pH: approximately 6

Melting Point: 138°F/59°C

Boiling Point: Not determined.

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

Vapor Density (Air = 1): Not applicable.

Evaporation Rate (n-BuAc=1): <<1

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: Oxidizers, alkalis.

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

Section 11 Toxicological Information

Sensitization to Product: Not Applicable.

Irritancy of Product: Not applicable.

Reproductive Toxicity: Not Applicable.

Teratogenicity: Not Applicable.

Mutagenicity: Not Applicable.

Acute oral toxicity (LD50): >10,000mg/kg [Rat]

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.

Product Name: Thermomelt 138°F / 59°C
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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 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 1, Reactivity 0

NFPA® (704) 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.

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): None.

Risk (R) Phrases: None

Safety (S) Phrases: None

AUSTRALIA

Worksafe Australia Status: This product is not classified as hazardous according to criteria of Worksafe

