

Material Safety Data Sheet

IMPORTANT NOTICE: This Material Safety Data Sheet (MSDS) is issued by LA-CO Industries, Inc. (LA-CO) in accordance with the U.S. OSHA Hazard Communication Standard, Canadian WHMIS Controlled Products Regulations, British CHIP regulation 6, Australian NMRCWHS and ANSI Z400.1-1993 guidelines. The information contained herein must not be altered, deleted or added to, with the exception of adding supplier/importer information in the space provided. LA-CO has no objection to its MSDS being copied if: a) the copy is made for safety-related purposes; and b) no alterations or amendments are made to the text or format of the MSDS, with the exception of adding supplier/importer information in the space provided. LA-CO does not guaranty the accuracy of any MSDS for our products which: a) is not prepared by LA-CO; b) is not authorized by LA-CO; c) is not in the format originally supplied by LA-CO; or d) has otherwise been amended or altered by a third party, with the exception of adding supplier/importer information in the space provided. Official LA-CO MSDS's reside on its web site at www.laco.com.

Section 1 Product and Company Identification

Product Name: **THERMOMELT 1200°F / 649°C**
Revision #: 2.3 **Date Prepared:** November 4, 1999 **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: Surface Temperature Indicator.

Supplier/Importer:

Section 2 Composition/Information on Ingredients

<u>Ingredient</u>	<u>CAS No.</u>	<u>%</u>
Potassium Chloride	7447-40-7	60

(For Section 2 footnotes: See Section 15)

Section 3 Hazards Identification

EMERGENCY OVERVIEW: CAUTION: IRRITANT TO THE EYES AND RESPIRATORY SYSTEM. AVOID CONTACT AND INHALATION. KEEP OUT OF REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY.

POTENTIAL HEALTH EFFECTS

Primary Exposure Routes: Eyes, Skin, Ingestion, Inhalation

Acute Effects

Eyes: Causes eye irritation.

Skin: May cause skin irritation. May be harmful if absorbed through the skin.

Ingestion: May be harmful if swallowed.

Inhalation: May be harmful if inhaled. Material is irritating to mucous membranes and upper respiratory tract.

Chronic Effects

Eyes: None known

Skin: None known

Ingestion: None known

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: Eyewash and safety shower.

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

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 cylinder.

Odor: Not applicable

Odor Threshold (ppm): Not Determined.

Specific Gravity (H₂O = 1): >1

pH: Not determined

Melting Point: 1200°F / 649°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)

Solubility - Water: Soluble

- Fat: Insoluble

Coefficient of Water/Oil Solubility: >>1

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

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

Chemical Chemicals to Avoid: Strong acids.
Strong oxidizers.

Hazardous Decomposition Products (non-thermal): Not determined

Section 11 Toxicological Information

Sensitization to Product: Not Applicable.

Irritancy of Product: see below

Reproductive Toxicity: Not Applicable.

Teratogenicity: Not Applicable.

Mutagenicity: Not Applicable.

POTASSIUM CHLORIDE, RTECS #: TS8050000

IRRITATION DATA

EYE-RBT 500 MG/24H MLD

28ZPAK -,8,1972

TOXICITY DATA

ORL-INF LDLO:938 MG/KG/2D

JAMAAP 240,1339,1978

ORL-MAN LDLO:20 MG/KG

LANCAO 2,919,1980

ORL-RAT LD50:2600 MG/KG

28ZPAK -,8,1972

IPR-RAT LD50:660 MG/KG

FCTXAV 3,597,1965

IVN-RAT LD50:142 MG/KG

ARZNAD 14,1128,1964

ORL-MUS LD50:1500 MG/KG

IYKEDH 21,257,1990

IPR-MUS LD50:620 MG/KG

COREAF 256,1043,1963

IVN-MUS LD50:117 MG/KG

EJTXAZ 8,188,1975

TARGET ORGAN DATA

BEHAVIORAL (CONVULSIONS OR EFFECT ON SEIZURE THRESHOLD)

BEHAVIORAL (CHANGE IN MOTOR ACTIVITY)

BEHAVIORAL (COMA)

CARDIAC (ARRYTHMIAS)

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LUNGS, THORAX OR RESPIRATION (DYSPNAE)
LUNGS, THORAX OR RESPIRATION (CYANOSIS)
LUNGS, THORAX OR RESPIRATION (OTHER CHANGES)
GASTROINTESTINAL (NAUSEA OR VOMITING)
BLOOD (CHANGE IN CLOTTING FACTORS)
NUTRITIONAL AND GROSS METABOLIC (CHANGES IN: K)
ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

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. **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.

The conditions of handling, storage, and use of this product are beyond our control and may be beyond our knowledge. For this and other reasons, LA-CO Industries, Inc. does not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product.

Section 14 Transport Information

D.O.T. (U.S.) **IATA:** Not Regulated.
Proper Shipping Name: Not Regulated. **ICAO:** Not Regulated.
Hazard Class or Division: Not Regulated. **IMO:** Not Regulated.
Hazard Label: Not Regulated. **Australian Code for the Transport of**
I.D. Number: Not Regulated. **Dangerous Goods**
TDG (Canada): Not Regulated. **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 1, Flammability 0, Reactivity 0

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

CANADA

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

WHMIS Rating: D1-B

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): Irritating (Xn).

Risk (R) Phrases: Not required per regulation 9(7) or 9(8) of CHIP.

Safety (S) Phrases: Not required per regulation 9(7) or 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.