

547-023

**Thermomelt® HEAT-STIK Markers : 113 °F, 125 °F, 131 °F, 138 °F, 156 °F, 163 °F, 188 °F, 194 °F, 238 °F, 256 °F, 269 °F, 319 °F, 325 °F, 331 °F, 338 °F, 344 °F, 350 °F, 375 °F, 425 °F, 438 °F, 525 °F, 600 °F, 650 °F, 850 °F, 900 °F, 932 °F, 950 °F, 1000 °F, 1022 °F, 1100 °F, 1150 °F, 1200 °F, 1250 °F, 1300 °F, 1350 °F, 1400 °F, 1425 °F, 1450 °F, 1480 °F, 1500 °F, 1550 °F, 1600 °F, 1650 °F, 1700 °F, 1850 °F, 1900 °F, 1950 °F, 2000 °F, 2050 °F, 2200 °F**

**LA-CO Industries, Inc.**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
according to Canadian Hazardous Products Regulations (HPR)  
Date of issue: 04/06/2015  
Revision date: 10/26/2015

Version: 2.0

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier** 86697

Product form

: Mixture

Trade name

: Thermomelt® HEAT-STIK Markers : 113 °F, 125 °F, 131 °F, 138 °F, 156 °F, 163 °F, 188 °F, 194 °F, 238 °F, 256 °F, 269 °F, 319 °F, 325 °F, 331 °F, 338 °F, 344 °F, 350 °F, 375 °F, 425 °F, 438 °F, 525 °F, 600 °F, 650 °F, 850 °F, 900 °F, 932 °F, 950 °F, 1000 °F, 1022 °F, 1100 °F, 1150 °F, 1200 °F, 1250 °F, 1300 °F, 1350 °F, 1400 °F, 1425 °F, 1450 °F, 1480 °F, 1500 °F, 1550 °F, 1600 °F, 1650 °F, 1700 °F, 1850 °F, 1900 °F, 1950 °F, 2000 °F, 2050 °F, 2200 °F

Synonyms

: Thermomelt® HEAT-STIK Marker 113 °F (45 °C), 125 °F (50, 52 °C), 131 °F (55 °C), 138 °F (59 °C, 60 °C), 156 °F, 163 °F (73, 75 °C), 188 °F (87 °C), 194 °F (90 °C), 238 °F (114 °C), 256 °F (124, 125 °C), 269 °F (131, 132 °C), 319 °F (159, 160 °C), 325 °F (163 °C), 331 °F (165, 166 °C), 338 °F (170 °C), 344 °F (173 °C), 350 °F (175, 177, 180 °C), 375 °F (191 °C), 425 °F (218 °C), 438 °F (225 °C), 525 °F (274, 275 °C), 600 °F (316 °C), 650 °F (343, 350 °C), 850 °F (450, 454 °C), 900 °F (482 °C), 932 °F (500 °C), 950 °F (510 °C), 1000 °F (538 °C), 1022 °F (550 °C), 1100 °F (593, 600 °C), 1200 °F (649, 650 °C), 1250 °F (677 °C), 1300 °F (700, 704 °C), 1350 °F (732 °C), 1400 °F (750, 760 °C), 1425 °F (774 °C), 1450 °F (788 °C), 1480 °F (800, 804 °C), 1500 °F (816 °C), 1550 °F (843, 850 °C), 1600 °F (871 °C), 1650 °F (899, 900 °C), 1700 °F (927 °C), 1850 °F (1000, 1010 °C), 1900 °F (1038 °C), 1950 °F (1066 °C), 2000 °F (1100 °C), 2050 °F (1121 °C), 2200 °F (1200, 1204 °C)

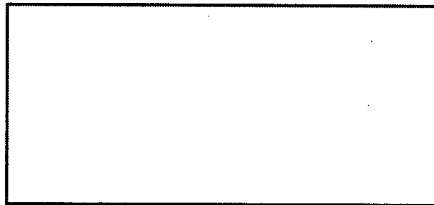
**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Use of the substance/mixture

: Temperature indicator

**1.3. Details of the supplier of the safety data sheet**

LA-CO Industries, Inc.  
1201 Pratt Boulevard  
Elk Grove Village, IL. 60007-5746  
Phone: (847) 956-7600  
Fax: (847) 956-9885  
E-mail: customer\_service@laco.com



**1.4. Emergency telephone number**

Emergency number

: 24-hour emergency: CHEMTREC- U.S. : 1-800-424-9300 International: +1-703-527-3887

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

Classification in accordance with the Globally Harmonized Standard

Not classified

**2.2. Label elements**

GHS-US labelling

No labelling applicable

**2.3. Other hazards**

**2.4. Unknown acute toxicity (GHS US)**

0.1 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)

**Thermomelt® HEAT-STIK Markers : 113 °F, 125 °F, 131 °F, 138 °F, 156 °F, 163 °F, 188 °F, 194 °F, 238 °F, 256 °F, 269 °F, 319 °F, 325 °F, 331 °F, 338 °F, 344 °F, 350 °F, 375 °F, 425 °F, 438 °F, 525 °F, 600 °F, 650 °F, 850 °F, 900 °F, 932 °F, 950 °F, 1000 °F, 1022 °F, 1100 °F, 1150 °F, 1200 °F, 1250 °F, 1300 °F, 1350 °F, 1400 °F, 1425 °F, 1450 °F, 1480 °F, 1500 °F, 1550 °F, 1600 °F, 1650 °F, 1700 °F, 1850 °F, 1900 °F, 1950 °F, 2000 °F, 2050 °F, 2200 °F**

**Safety Data Sheet**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
 according to Canadian Hazardous Products Regulations (HPR)

- 0.1 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
- 0.1 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

**SECTION 3: Composition/information on ingredients**

**3.1. Substance**

Not applicable

**3.2. Mixture**

Name	Product identifier	% (w/w)	GHS-US classification
dilithium molybdate	(CAS No) 13568-40-6	5.46 : 850 °F	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
myristic acid	(CAS No) 544-63-8	4.81 : 125 °F	Eye Irrit. 2A, H319
Solvent naphtha (petroleum), light arom., Low boiling point naphtha - unspecified (benzene <0.1%)	(CAS No) 64742-95-6	1.37 : 600 °F	Asp. Tox. 1, H304
1,2,4-trimethylbenzene	(CAS No) 95-63-6	1.37 : 600 °F	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Aquatic Chronic 2, H411

Full text of H-statements: see section 16

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- First-aid measures after skin contact : Wash skin with mild soap and water.
- First-aid measures after eye contact : If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

**4.2. Most important symptoms and effects, both acute and delayed**

- Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

**4.3. Indication of any immediate medical attention and special treatment needed**

All treatments should be based on observed signs and symptoms of distress in the patient.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

- Suitable extinguishing media : Carbon dioxide. Dry powder. Foam. Water spray.
- Unsuitable extinguishing media : Do not use a heavy water stream.

**5.2. Special hazards arising from the substance or mixture**

- Fire hazard : No specific fire or explosion hazard.
- Reactivity : No dangerous reactions known.

**5.3. Advice for firefighters**

- Firefighting instructions : Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses.

**Thermomelt® HEAT-STIK Markers : 113 °F, 125 °F, 131 °F, 138 °F, 156 °F, 163 °F, 188 °F, 194 °F, 238 °F, 256 °F, 269 °F, 319 °F, 325 °F, 331 °F, 338 °F, 344 °F, 350 °F, 375 °F, 425 °F, 438 °F, 525 °F, 600 °F, 650 °F, 850 °F, 900 °F, 932 °F, 950 °F, 1000 °F, 1022 °F, 1100 °F, 1150 °F, 1200 °F, 1250 °F, 1300 °F, 1350 °F, 1400 °F, 1425 °F, 1450 °F, 1480 °F, 1500 °F, 1550 °F, 1600 °F, 1650 °F, 1700 °F, 1850 °F, 1900 °F, 1950 °F, 2000 °F, 2050 °F, 2200 °F**

**Safety Data Sheet**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
according to Canadian Hazardous Products Regulations (HPR)

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Wear fire/flame resistant/retardant clothing. Wear a self contained breathing apparatus.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

General measures : Avoid contact with skin and eyes. Avoid creating or spreading dust.

**6.1.1. For non-emergency personnel**

Protective equipment : In case of inadequate ventilation wear respiratory protection.

Emergency procedures : Evacuate unnecessary personnel.

**6.1.2. For emergency responders**

Protective equipment : Where excessive vapour, mist, or dust may result, use approved respiratory protection equipment.

Emergency procedures : Ventilate area.

**6.2. Environmental precautions**

Avoid release to the environment.

**6.3. Methods and material for containment and cleaning up**

For containment : Contain and collect as any solid. Avoid generating dust.

Methods for cleaning up : Take up in non-combustible absorbent material and shove into container for disposal. Minimize generation of dust.

**6.4. Reference to other sections**

Section 13: disposal information. Section 7: safe handling. Section 8: personal protective equipment.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Precautions for safe handling : Avoid contact with skin and eyes. Avoid breathing dust, fume.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

**7.2. Conditions for safe storage, including any incompatibilities**

Storage conditions : Keep only in the original container in a cool well ventilated place. Keep container closed when not in use.

Incompatible products : Strong acids. Strong oxidizers. Strong bases.

Incompatible materials : Sources of ignition.

**7.3. Specific end use(s)**

Temperature indicator.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

Thermomelt® HEAT-STIK Markers : 113 °F, 125 °F, 131 °F, 138 °F, 156 °F, 163 °F, 188 °F, 194 °F, 238 °F, 256 °F, 269 °F, 319 °F, 325 °F, 331 °F, 338 °F, 344 °F, 350 °F, 375 °F, 425 °F, 438 °F, 525 °F, 600 °F, 650 °F, 850 °F, 900 °F, 932 °F, 950 °F, 1000 °F, 1022 °F, 1100 °F, 1150 °F, 1200 °F, 1250 °F, 1300 °F, 1350 °F, 1400 °F, 1425 °F, 1450 °F, 1480 °F, 1500 °F, 1550 °F, 1600 °F, 1650 °F, 1700 °F, 1850 °F, 1900 °F, 1950 °F, 2000 °F, 2050 °F, 2200 °F

ACGIH	Not applicable
OSHA	Not applicable

**Thermomelt® HEAT-STIK Markers : 113 °F, 125 °F, 131 °F, 138 °F, 156 °F, 163 °F, 188 °F, 194 °F, 238 °F, 256 °F, 269 °F, 319 °F, 325 °F, 331 °F, 338 °F, 344 °F, 350 °F, 375 °F, 425 °F, 438 °F, 525 °F, 600 °F, 650 °F, 850 °F, 900 °F, 932 °F, 950 °F, 1000 °F, 1022 °F, 1100 °F, 1150 °F, 1200 °F, 1250 °F, 1300 °F, 1350 °F, 1400 °F, 1425 °F, 1450 °F, 1480 °F, 1500 °F, 1550 °F, 1600 °F, 1650 °F, 1700 °F, 1850 °F, 1900 °F, 1950 °F, 2000 °F, 2050 °F, 2200 °F**

**Safety Data Sheet**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
according to Canadian Hazardous Products Regulations (HPR)

<b>dilithium molybdate (13568-40-6)</b>		
ACGIH	Not applicable	
OSHA	Not applicable	
<b>Solvent naphtha (petroleum), light arom., Low boiling point naphtha - unspecified (benzene &lt;0.1%) (64742-95-6)</b>		
ACGIH	Not applicable	
OSHA	Not applicable	
<b>1,2,4-trimethylbenzene (95-63-6)</b>		
ACGIH	ACGIH TWA (mg/m³)	123 mg/m³
ACGIH	ACGIH TWA (ppm)	25 ppm
OSHA	Not applicable	
Canada (Quebec)	VECD (mg/m³)	172 mg/m³
Canada (Quebec)	VECD (ppm)	35 ppm
Canada (Quebec)	VEMP (mg/m³)	123 mg/m³
Canada (Quebec)	VEMP (ppm)	25 ppm
<b>myristic acid (544-63-8)</b>		
ACGIH	Not applicable	
OSHA	Not applicable	

**8.2. Exposure controls**

- |                                  |  |
|----------------------------------|--|
| Appropriate engineering controls | : Avoid dispersal of dust in the air (ie, clearing dust surfaces with compressed air). Provide local exhaust ventilation of closed transfer systems to minimize exposures. |
| Personal protective equipment    | : Avoid all unnecessary exposure.  |
| Hand protection                  | : It is a good industrial hygiene practice to minimize skin contact. If dust is formed: Wear dust impervious gloves.   |
| Eye protection                   | : In case of dust production: protective goggles.  |
| Respiratory protection           | : In case of inadequate ventilation wear respiratory protection. Use air-purifying respirator equipped with particulate filtering cartridges.                              |

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

- |   |                               |
|---|-------------------------------|
| Physical state                              | : Solid                       |
| Appearance                                  | : A solid crayon-like marker. |
| Colour                                      | : Various.                    |
| Odour                                       | : odourless.                  |
| Odour threshold                             | : No data available           |
| pH  | : No data available           |
| Relative evaporation rate (butyl acetate=1) | : No data available           |
| Melting point                               | : Various                     |
| Freezing point                              | : No data available           |
| Boiling point                               | : No data available           |
| Flash point                                 | : No data available           |
| Auto-ignition temperature                   | : No data available           |
| Decomposition temperature                   | : No data available           |
| Flammability (solid, gas)                   | : No data available           |
| Vapour pressure                             | : No data available           |
| Relative vapour density at 20 °C            | : No data available           |

**Thermomelt® HEAT-STIK Markers : 113 °F, 125 °F, 131 °F, 138 °F, 156 °F, 163 °F, 188 °F, 194 °F, 238 °F, 256 °F, 269 °F, 319 °F, 325 °F, 331 °F, 338 °F, 344 °F, 350 °F, 375 °F, 425 °F, 438 °F, 525 °F, 600 °F, 650 °F, 850 °F, 900 °F, 932 °F, 950 °F, 1000 °F, 1022 °F, 1100 °F, 1150 °F, 1200 °F, 1250 °F, 1300 °F, 1350 °F, 1400 °F, 1425 °F, 1450 °F, 1480 °F, 1500 °F, 1550 °F, 1600 °F, 1650 °F, 1700 °F, 1850 °F, 1900 °F, 1950 °F, 2000 °F, 2050 °F, 2200 °F**

**Safety Data Sheet**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
according to Canadian Hazardous Products Regulations (HPR)

Relative density	: > 1
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

**9.2. Other Information**

VOC content : 0 %

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No dangerous reactions known.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Hazardous polymerization will not occur.

**10.4. Conditions to avoid**

Avoid creating or spreading dust. Direct sunlight. Keep away from sources of ignition.

**10.5. Incompatible materials**

Strong oxidizing agents. Strong bases. Strong acids.

**10.6. Hazardous decomposition products**

Carbon dioxide. Carbon monoxide. metallic oxides. Potassium oxides. Sulphur oxides.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

Acute toxicity : Oral: Not classified. Dermal: Not classified. Inhalation:dust,mist: Not classified.

<b>Solvent naphtha (petroleum), light arom., Low boiling point naphtha - unspecified (benzene &lt;0.1%) (64742-95-6)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 5610 mg/l/4h
<b>1,2,4-trimethylbenzene (95-63-6)</b>	
LD50 oral rat	3415 mg/kg
LD50 dermal rat	3440 mg/kg
LC50 inhalation rat (ppm)	954 ppm
ATE CLP (oral)	3415.000 mg/kg bodyweight
ATE CLP (dermal)	3440.000 mg/kg bodyweight
ATE CLP (dust,mist)	1.500 mg/l/4h
<b>myristic acid (544-63-8)</b>	
LD50 oral rat	> 10000 mg/kg

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified.
Carcinogenicity	: Not classified.

**Thermomelt® HEAT-STIK Markers : 113 °F, 125 °F, 131 °F, 138 °F, 156 °F, 163 °F, 188 °F, 194 °F, 238 °F, 256 °F, 269 °F, 319 °F, 325 °F, 331 °F, 338 °F, 344 °F, 350 °F, 375 °F, 425 °F, 438 °F, 525 °F, 600 °F, 650 °F, 850 °F, 900 °F, 932 °F, 950 °F, 1000 °F, 1022 °F, 1100 °F, 1150 °F, 1200 °F, 1250 °F, 1300 °F, 1350 °F, 1400 °F, 1425 °F, 1450 °F, 1480 °F, 1500 °F, 1550 °F, 1600 °F, 1650 °F, 1700 °F, 1850 °F, 1900 °F, 1950 °F, 2000 °F, 2050 °F, 2200 °F**

**Safety Data Sheet**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
according to Canadian Hazardous Products Regulations (HPR)

**Reproductive toxicity** : Not classified  
**Specific target organ toxicity (single exposure)** : Not classified  
**Specific target organ toxicity (repeated exposure)** : Not classified  
**Aspiration hazard** : Not classified  
**Potential adverse human health effects and symptoms**  
**Likely routes of exposure** : Inhalation;Skin and eye contact

**SECTION 12: Ecological information**

**12.1 Toxicity**

<b>Solvent naphtha (petroleum), light arom., Low boiling point naphtha - unspecified (benzene &lt;0.1%) (64742-95-6)</b>	
LC50 fish 1	8.2 mg/l
EC50 Daphnia 1	4.5 mg/l
EC50 other aquatic organisms 1	3.7 mg/l
NOEC (acute)	0.5 mg/l
<b>1,2,4-trimethylbenzene (95-63-6)</b>	
LC50 fish 1	7.72 mg/l
LC50 other aquatic organisms 1	3.6 mg/l
EC50 other aquatic organisms 1	2.356 mg/l
<b>myristic acid (544-63-8)</b>	
LC50 fish 1	> 10000 mg/l 48 h
EC50 Daphnia 1	> 27 mg/l 16 h

**12.2. Persistence and degradability**

<b>Solvent naphtha (petroleum), light arom., Low boiling point naphtha - unspecified (benzene &lt;0.1%) (64742-95-6)</b>	
Persistence and degradability	Not established.
<b>myristic acid (544-63-8)</b>	
Persistence and degradability	Readily biodegradable.
Biodegradation	99 % 15 d

**12.3. Bioaccumulative potential**

<b>Solvent naphtha (petroleum), light arom., Low boiling point naphtha - unspecified (benzene &lt;0.1%) (64742-95-6)</b>	
Bioaccumulative potential	Not established.
<b>myristic acid (544-63-8)</b>	
Log Pow	5.2 (5.2 - 6.11)

**12.4. Mobility in soil**

No additional information available

**12.5. Other adverse effects**

No additional information available

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

Sewage disposal recommendations : Do not dispose of waste into sewer.  
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Ecology - waste materials : Avoid release to the environment.

**Thermomelt® HEAT-STIK Markers : 113 °F, 125 °F, 131 °F, 138 °F, 156 °F, 163 °F, 188 °F, 194 °F, 238 °F, 256 °F, 269 °F, 319 °F, 325 °F, 331 °F, 338 °F, 344 °F, 350 °F, 375 °F, 425 °F, 438 °F, 525 °F, 600 °F, 650 °F, 850 °F, 900 °F, 932 °F, 950 °F, 1000 °F, 1022 °F, 1100 °F, 1150 °F, 1200 °F, 1250 °F, 1300 °F, 1350 °F, 1400 °F, 1425 °F, 1450 °F, 1480 °F, 1500 °F, 1550 °F, 1600 °F, 1650 °F, 1700 °F, 1850 °F, 1900 °F, 1950 °F, 2000 °F, 2050 °F, 2200 °F**

### Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
according to Canadian Hazardous Products Regulations (HPR)

#### SECTION 14: Transport information

In accordance with DOT and TDG

Not considered a dangerous good for transport regulations

Proper Shipping Name (ADR) : Not applicable

Transport hazard class(es) (ADR) :

#### Transport by sea

Transport hazard class(es) (IMDG) :

#### Air transport

Transport hazard class(es) (IATA) :

#### SECTION 15: Regulatory information

##### 15.1. US Federal regulations

###### dilithium molybdate (13568-40-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

###### Solvent naphtha (petroleum), light arom., Low boiling point naphtha - unspecified (benzene <0.1%) (64742-95-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

###### 1,2,4-trimethylbenzene (95-63-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

###### myristic acid (544-63-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

##### 15.2. International regulations

###### CANADA

###### dilithium molybdate (13568-40-6)

Listed on the Canadian NDSL (Non-Domestic Substances List)

###### Solvent naphtha (petroleum), light arom., Low boiling point naphtha - unspecified (benzene <0.1%) (64742-95-6)

Listed on the Canadian DSL (Domestic Substances List) inventory.

###### 1,2,4-trimethylbenzene (95-63-6)

Listed on the Canadian DSL (Domestic Substances List) inventory.

###### myristic acid (544-63-8)

Listed on the Canadian DSL (Domestic Substances List) inventory.

##### EU-Regulations

###### dilithium molybdate (13568-40-6)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

###### Solvent naphtha (petroleum), light arom., Low boiling point naphtha - unspecified (benzene <0.1%) (64742-95-6)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

###### 1,2,4-trimethylbenzene (95-63-6)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

###### myristic acid (544-63-8)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

**Thermomelt® HEAT-STIK Markers : 113 °F, 125 °F, 131 °F, 138 °F, 156 °F, 163 °F, 188 °F, 194 °F, 238 °F, 256 °F, 269 °F, 319 °F, 325 °F, 331 °F, 338 °F, 344 °F, 350 °F, 375 °F, 425 °F, 438 °F, 525 °F, 600 °F, 650 °F, 850 °F, 900 °F, 932 °F, 950 °F, 1000 °F, 1022 °F, 1100 °F, 1150 °F, 1200 °F, 1250 °F, 1300 °F, 1350 °F, 1400 °F, 1425 °F, 1450 °F, 1480 °F, 1500 °F, 1550 °F, 1600 °F, 1650 °F, 1700 °F, 1850 °F, 1900 °F, 1950 °F, 2000 °F, 2050 °F, 2200 °F**

### Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
according to Canadian Hazardous Products Regulations (HPR)

#### National regulations

**Thermomelt® HEAT-STIK Markers : 113 °F, 125 °F, 131 °F, 138 °F, 156 °F, 163 °F, 188 °F, 194 °F, 238 °F, 256 °F, 269 °F, 319 °F, 325 °F, 331 °F, 338 °F, 344 °F, 350 °F, 375 °F, 425 °F, 438 °F, 525 °F, 600 °F, 650 °F, 850 °F, 900 °F, 932 °F, 950 °F, 1000 °F, 1022 °F, 1100 °F, 1150 °F, 1200 °F, 1250 °F, 1300 °F, 1350 °F, 1400 °F, 1425 °F, 1450 °F, 1480 °F, 1500 °F, 1550 °F, 1600 °F, 1650 °F, 1700 °F, 1850 °F, 1900 °F, 1950 °F, 2000 °F, 2050 °F, 2200 °F**

All components are listed on the EEC inventory European Inventory of Existing Commercial Chemical Substances (EINECS).

All ingredients are listed in the Toxic Substances Control Act (TSCA).

All ingredients are listed on the Canadian Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL).

#### 15.3. US State regulations

No additional information available

### SECTION 16: Other information

Indication of changes	: Added. Product.
Data sources	: ACGIH 2000. Canadian Centre for Occupational Health and Safety. Accessed at: <a href="http://www.ccohs.ca/oshanswers/legisl/whmis_classifi.html">http://www.ccohs.ca/oshanswers/legisl/whmis_classifi.html</a> . ESIS (European chemical Substances Information System; accessed at: <a href="http://esis.jrc.ec.europa.eu/index.php?PGM=cla">http://esis.jrc.ec.europa.eu/index.php?PGM=cla</a> . European Chemicals Agency (ECHA) Registered Substances list. Accessed at <a href="http://echa.europa.eu/">http://echa.europa.eu/</a> . Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition. National Fire Protection Association; Fire Protection Guide to Hazardous Materials; 10th edition. OSHA 29CFR 1910.1200 Hazard Communication Standard. REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. TSCA Chemical Substance Inventory. Accessed at <a href="http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html">http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html</a> .
Abbreviations and acronyms	: ACGIH (American Conference of Government Industrial Hygienists). ATE: Acute Toxicity Estimate. CAS (Chemical Abstracts Service) number. CLP: Classification, Labelling, Packaging. EC50: Environmental Concentration associated with a response by 50% of the test population. GHS: Globally Harmonized System (of Classification and Labeling of Chemicals). LD50: Lethal Dose for 50% of the test population. OSHA: Occupational Safety & Health Administration. PBT: Persistent, Bioaccumulative, Toxic. STEL: Short Term Exposure Limits. TSCA: Toxic Substances Control Act. TWA: Time Weight Average.
Other information	: None.

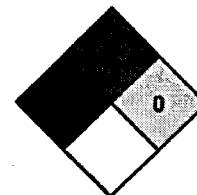


**Thermomelt® HEAT-STIK Markers : 113 °F, 125 °F, 131 °F, 138 °F, 156 °F, 163 °F, 188 °F, 194 °F, 238 °F, 256 °F, 269 °F, 319 °F, 325 °F, 331 °F, 338 °F, 344 °F, 350 °F, 375 °F, 425 °F, 438 °F, 525 °F, 600 °F, 650 °F, 850 °F, 900 °F, 932 °F, 950 °F, 1000 °F, 1022 °F, 1100 °F, 1150 °F, 1200 °F, 1250 °F, 1300 °F, 1350 °F, 1400 °F, 1425 °F, 1450 °F, 1480 °F, 1500 °F, 1550 °F, 1600 °F, 1650 °F, 1700 °F, 1850 °F, 1900 °F, 1950 °F, 2000 °F, 2050 °F, 2200 °F**

**Safety Data Sheet**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
according to Canadian Hazardous Products Regulations (HPR)

NFPA health hazard : 0 - Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.  
 NFPA fire hazard : 1 - Must be preheated before ignition can occur.  
 NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and not reactive with water.



Full text of H-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H411	Toxic to aquatic life with long lasting effects

SDS Prepared by: The Redstone Group, LLC  
 6077 Frantz Rd.  
 Suite 206  
 Dublin, OH USA 43016  
 T 614-923-7472  
[www.redstonegrp.com](http://www.redstonegrp.com)

LACO NA GHS SDS

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*