

# 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](http://www.laco.com).

## Section 1 Product and Company Identification

**Product Name:** **M and M-10 Paintstiks**  
**Revision #:** 1.8 **Date Prepared:** February 3, 1994 **Date Revised:** November 9, 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:** Paint crayon for room temperature marking of surfaces that will be exposed to high temperatures.

**Supplier/Importer:**

## Section 2 Composition/Information on Ingredients

<u>Ingredient</u>	<u>CAS No.</u>	<u>%</u>
Linseed Oil <sup>5,6</sup>	8001-26-1	25 - 40
<u>M Paintstik BLACK only</u> Graphite <sup>3,5</sup> ACGIH: TWA = 2 mg/kg (respirable dust)	1333-86-4	15
<u>M Paintstik YELLOW only</u> Nickel Antimony Titanium Yellow Rutile This pigment contains the following heavy metals. The percent amounts listed represent the amount of these heavy metals contained in the M Paintstik.	8007-18-9	25
Antimony and compounds, as Sb <sup>1,3,4,5,6</sup> ACGIH: TWA = 0.5 mg/m <sup>3</sup> , OSHA: TWA = 0.5 mg/m <sup>3</sup> EPA: CERCLA RQ = 5000 lbs.; EPCRA sec. 313 de minimus concentration = 1.0%	7440-36-0	2.8
Nickel <sup>1,2,3,4,5,6</sup> ACGIH: TWA = 0.2 mg/m <sup>3</sup> , OSHA: TWA = 1 mg/m <sup>3</sup> EPA: CERCLA RQ = 100 lbs.; EPCRA sec. 313 de minimus concentration = 0.1%	7440-02-0	1
This pigment is the result of high temperature calcination of the component		



**Unusual Fire or Explosion Hazards:** Rags and waste paper containing this product may burn spontaneously. Store wiping rags containing this product in metal containers with tight lids.  
**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:** Generally treat as a small spill. If large quantities are exposed to excessive heat, this product may melt. Allow melted material to cool and then 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.  
**Skin/Hand Protection:** Suitable to protect from heat exposure and for related activities where this product is used.  
**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:** Eyewash and safety shower.  
**Engineering Controls:** Normal room ventilation. Local exhaust in confined areas.  
**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

<b>Appearance/Physical State:</b> Solid cylindrical crayon.	<b>Solubility - Water:</b> Insoluble <b>- Fat:</b> Soluble
<b>Odor:</b> Linseed oil	<b>Coefficient of Water/Oil Solubility:</b> <<1
<b>Odor Threshold (ppm):</b> Not Determined.	<b>Partition Coefficient (n-octanol/water):</b> >>1
<b>Specific Gravity (H<sub>2</sub>O = 1):</b> >1	<b>Autoignition Temperature:</b> (see Section 5)
<b>pH:</b> Not Applicable.	<b>Flammability Classification:</b> (see Section 5)
<b>Melting Point:</b> Approximately 150°F/66°C	<b>Unusual Fire or Explosion Hazards:</b> (see Section 5)
<b>Boiling Point:</b> Not Determined.	<b>Oxidizing Properties:</b> Not Applicable.
<b>Vapor Pressure (mm Hg at 20°C):</b> Not Applicable.	<b>Other Information:</b> None.
<b>Vapor Density (Air = 1):</b> Not Applicable.	<b>Note:</b> The physical data represented above are typical values and should not be construed as a specification.
<b>Evaporation Rate (n-BuAc=1):</b> Not Applicable.	
<b>V.O.C. (U.S. Clean Air Act Section 111):</b> 0%	
<b>Flash Point (method):</b> (see Section 5)	

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## Section 10

## Stability and Reactivity

**Chemical Stability:** Stable

**Hazardous Polymerization:** May Occur

**Conditions to Avoid:** Rags and waste paper containing this product may burn spontaneously. Store wiping rags containing this product in metal containers with tight lids.

**Chemicals to Avoid:** Strong oxidizers.

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

## Section 11

## Toxicological Information

**Sensitization to Product:** Not Applicable.

**Irritancy of Product:** Fumes may be irritating to eyes and respiratory tract.

**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.

## 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.)**

**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 Regulated.

**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, Delayed (Chronic) 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 1, Reactivity 0

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

**CANADA**

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

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

**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):** None per regulation 9 (7) of CHIP.

**Risk (R) Phrases:** None per regulation 9 (7) of CHIP.

**Safety (S) Phrases:** None per regulation 9 (7) 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**

**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**

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**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.**

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