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# 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 CHIP2 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.

## Section 1 Product and Company Identification

**Product Name:** "ALL WEATHER PAINTSTIK & TWIST-STIK"
"B", "B-3/8", "B-E", "B-16", "C", "E", "F", & "N" PAINTSTIKS
"LACQUER STIK"

**Revision #:** 2.1 **Date Prepared:** December 7, 1994 **Date Revised:** August 19, 2003

**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:** Marking and Identification.

**Supplier/Importer:**

## Section 2 Composition/Information on Ingredients

| Ingredient | CAS No. | % |
|---|---|---|
| Linseed Oil [5,6] | 8001-26-1 | 0 - 40 |
| Carbon Black [3,4,5,6] (Black and gray Paintstiks only)<br>ACGIH: TWA = 3.5 mg/kg<br>OSHA: TWA = 3.5 mg/kg | 1333-86-4 | 2 |
| Aluminum [3,4,5,6] (Silver Paintstiks only)<br>ACGIH: TWA (dust) = 10mg/m$^3$<br>OSHA: TWA (dust) = 15mg/m$^3$<br>U.S. Safe Drinking Water Act: Appears on the Drinking Water Priority List Substances. | 7429-90-5 | 14 |
| Copper [1,3,4,5,6] (Gold Paintstiks only)<br>ACGIH: TWA = 1 mg/m$^3$ (dust)<br>OSHA: TWA = 1 mg/m$^3$ (dust) | 7440-50-8 | 45 |
| Zinc [1,3,4,5] (Gold Paintstik only) | 7440-66-6 | 1.5 |

MARKAL "B" Paintstik was tested by an independent laboratory and found to be non-toxic, non-irritating to the skin and eyes within the meaning of the U.S. Federal Hazardous Substance Labeling Act.

(For Section 2 footnotes: See Section 15)

## Section 3 Hazards Identification

**EMERGENCY OVERVIEW**: Combustion Hazard: Waste soaked with this product may spontaneously catch fire if improperly discarded. FOR INDUSTRIAL USE ONLY.

**POTENTIAL HEALTH EFFECTS**

**Primary Exposure Routes:** Eyes, Ingestion, Inhalation

**Acute Effects**

**Eyes:** Contact may cause mild eye irritation including stinging, watering, and redness. Irritating fumes may be produced during the paint drying process if exposed to large surface area.

**Skin:** None.

**Ingestion:** Possible nausea or diarrhea if large amounts ingested.

**Inhalation:** Irritating fumes may be produced during the paint drying process if exposed to large surface area.

**Chronic Effects**

**Eyes:** Not applicable.

**Skin:** Not applicable.

**Ingestion:** Not applicable.

**Inhalation:** Not applicable.

**Carcinogenicity:**

ACGIH: Carbon Black has been identified by other sources as a suspected or confirmed human carcinogen.

IARC: Carbon Black is not classifiable as a human carcinogen (Group 3); human evidence is inadequate; animal evidence is inadequate.

**Target Organ Effects:** Not Applicable.

**Medical Conditions Aggravated by Long-Term Exposure:** Not Determined.

**Other Information:** Not Applicable.

## Section 4 First Aid

**Eye Contact:** Flush with water.

**Skin Contact:** Use good industrial hygiene and wash hands after use.

**Ingestion:** Consult physician if discomfort occurs. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON.

**Inhalation:** Move away from source of exposure and into fresh air. Consult physician if discomfort occurs.

**Other Information:** None.

## Section 5 Fire Fighting Measures

**Flash Point (method):** 400°F/204°C (method not determined)

**Autoignition Temperature:** Not determined.

**LEL:** Not Determined. **UEL:** Not Determined.

**Flammability Classification:** Not determined.

**Extinguishing Media:** Carbon Dioxide, Foam, Dry Chemical.
**Hazardous Combustion Products:** Carbon Monoxide, Carbon Dioxide.
**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). Rags or waste paper containing this product may burn spontaneously. Dispose of wiping rags in metal containers with tight lids.
**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. Use chemical goggles when marking on hot surfaces. Use a face shield as needed.
**Skin/Hand Protection:** Suitable for related activities where this product is used.
**Respiratory Protection:** Suitable for related activities where this product is used.
**Other Equipment:** Eyewash.
**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:** Cylindrical crayon/solid
**Odor:** Linseed oil
**Odor Threshold (ppm):** Not Determined.
**Specific Gravity ($H_2O$ = 1):** >1
**Solubility - Water:** Insoluble
**- Fat:** Soluble
**Coefficient of Water/Oil Solubility:** <1
**Partition Coefficient (n-octanol/water):** >1
**pH:** Not applicable.
**Melting Point:** Approximately 150°F/66°C
**Boiling Point:** Not determined.
**Vapor Pressure (mm Hg at $20^0$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:** May Occur
**Conditions to Avoid:** High surface area exposure can result in release of heat while paint is polymerizing (drying). 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:** Oxidizers.
**Hazardous Decomposition Products (non-thermal):** Aldehydes (including acrolein) may be produced from atmospheric oxidation (drying).

## Section 11 Toxicological Information

**Sensitization to Product:** Not Applicable.
**Irritancy of Product:** Possible irritation to eyes and upon inhalation.
**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.
**Degradability:** Not Determined.
**Accumulation:** Not Determined.
**Ecotoxicity:** Not Determined.
**Other Adverse Effects:** 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.):** 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 1, 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 Australia.
**HAZCHEM Code:** None allocated.
**Poisons Schedule Number:** None allocated.

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.**