

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:	Railroad Chalk & Carpenter Chalk
Revision #: 2.3	Date Prepared: October 15, 1999 Date Revised: February 8, 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: Marking chalk

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 CHIP regulation 6, and Australian Regulations for the Control of Workplace Hazardous Substances.

Section 3 Hazards Identification

EMERGENCY OVERVIEW: KEEP OUT OF REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY.

POTENTIAL HEALTH EFFECTS

Primary Exposure Routes: Eyes, Inhalation

Acute Effects

Eyes: Contact may cause mechanical irritation.

Skin: None known

Ingestion: None known

Inhalation: Dust may be irritating.

Carcinogenicity: Not Applicable.

Target Organ Effects: Not Applicable.

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

Other Information: Not Applicable.

Chronic Effects

Eyes: None known

Skin: None known

Ingestion: None known

Inhalation: None known

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Section 4

First Aid

Eye Contact: Immediately flush eyes with water for at least 15 minutes while holding eyelids open. Remove any contact lenses. Have victim roll eyes for more thorough flushing.

Skin Contact: Flush skin with water or wash with soap and water.

Ingestion: NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON. Give victim water to dilute.

Inhalation: Remove victim to fresh air. Give oxygen if breathing is difficult. Give artificial respiration if breathing has stopped. Get medical attention.

Other Information: None known

Section 5

Fire Fighting Measures

Flash Point (method): Not applicable

LEL: Not applicable **UEL:** Not applicable

Autoignition Temperature: Not applicable

Flammability Classification: Not applicable

Extinguishing Media: Not applicable

Hazardous Combustion Products: Not determined

Unusual Fire or Explosion Hazards: Not applicable

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 and Large Spills: Sweep or shovel 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 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

Product Name:

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Appearance/Physical State: Solid chalk

Odor: Not applicable

Odor Threshold (ppm): Not Determined.

Specific Gravity (H₂O = 1): >1

pH: Not applicable

Melting Point: Not applicable

Boiling Point: Not applicable

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)

Note: The physical data represented above are typical values and should not be construed as a specification.

Solubility - Water: Insoluble

- **Fat:** Partially soluble

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.

Section 10

Stability and Reactivity

Chemical Stability: Stable

Conditions to Avoid: None known

Hazardous Decomposition Products (non-thermal): Carbon dioxide and possibly other toxic gasses.

Hazardous Polymerization: Will Not Occur

Chemicals to Avoid: Strong acids and oxidizers.

Section 11

Toxicological Information

Sensitization to Product: Not Applicable.

Irritancy of Product: Not applicable

Reproductive Toxicity: 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.

Teratogenicity: Not Applicable.

Mutagenicity: Not Applicable.

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.)

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.

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Australian Code for the Transport of Dangerous Goods

Dangerous Goods Class and Subsidiary Risk: Not Determined.

Section 15

Regulatory Information

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 1, Flammability 0, Reactivity 0

NFPA® (704) Rating: Health 0, Flammability 0, 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): Not applicable

Risk (R) Phrases: Not applicable **Safety (S) Phrases:** Not applicable

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.