Material Safety Data Sheet

Section 1 Product and Company Identification

Product Name: HT-34 PAINTSTIK
MSDS #: 124 **Date Prepared:** February 2, 1995
Revision #: 1.5 **Date Revised:** February 5, 2010

Manufacturer: **Supplier/Importer:**

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. **Synonyms:** Not Applicable.
Derivation: Not Applicable.
General Use: Marking crayon for hot metal surfaces.

Section 2 Composition/Information on Ingredients

Ingredient	CAS No.	%
Phthalic Anhydride [3,4,5,6]	85-44-9	10

ACGIH: TWA = 1 ppm
OSHA: TWA = 2 ppm
EPA: CERCLA RQ = 5000 lbs.; EPCRA sec. 313 de minimus concentration = 1.0%; RCRA designation = U190

(For Section 2 footnotes: See Section 15)

Section 3 Hazards Identification

EMERGENCY OVERVIEW: AVOID SKIN AND EYE CONTACT. AVOID BREATHING FUMES.

POTENTIAL HEALTH EFFECTS:
Primary Exposure Routes: Eyes, Skin, Inhalation
Acute Effects
Eyes: Vapor, fume or dust will cause irritation. Effects are more severe on moist surfaces due to the formation of Phthalic Acid.
Skin: Contact may cause irritation. Effects are more severe on moist surfaces due to the formation of Phthalic Acid.
Ingestion: No Information Available.
Inhalation: Vapor, fume or dust will cause irritation to mucous membranes and upper respiratory tract. Effects are

more severe on moist surfaces due to the formation of Phthalic Acid.

Chronic Effects

Eyes: Not Applicable.

Skin: Can cause skin sensitization.

Ingestion: Not Applicable.

Inhalation: Can cause respiratory tract sensitization. May produce asthma, bronchitis, or emphysema.

Carcinogenicity: Not Applicable.

Target Organ Effects: Not Applicable.

Medical Conditions Aggravated by Long-Term Exposure: Asthma, bronchitis, or emphysema.

Other Information: Not Applicable.

HMIS Rating: Health 2, Flammability 1, Reactivity 0

Section 4 First Aid

Eye Contact: Immediately flush with plenty of water for at least 15 minutes, occasionally lifting upper and lower eyelids. Call a physician.

Skin Contact: Flush with plenty of water. Remove contaminated clothing and wash before re-use.

Ingestion: No Information Available.

Inhalation: Remove victim to fresh air. Administer oxygen if breathing is difficult. Apply artificial respiration if breathing has stopped.

Other Information: Not Applicable.

Section 5 Fire Fighting Measures

Flash Point (method): 304°F/151°C (cc)

Autoignition Temperature: 1058°F/570°C

LEL: 1.7% **UEL:** 10.4%

Flammability Classification: Not Determined.

Extinguishing Media: Dry Chemical, Carbon Dioxide (CO_2), Foam, or Water Fog. Class BC or ABC fire extinguisher.

Hazardous Combustion Products: Phthalic Acid fumes, Carbon Monoxide.

Unusual Fire or Explosion Hazards: Dust can form explosive mixture in air. Molten material solidifies and hydrolyzes on contact with water which generates steam. Water spray may be used to control dust.

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).

NFPA Rating: Health 2, Flammability 1, Reactivity 0

Section 6 Accidental Release Measures

Use recommended personal protective equipment (see Section 8).
Small Spill: Sweep or scrape up. Flush area with water.
Large Spill: Sweep or scrape up. Flush area with water.

Section 7 Handling and Storage

Handling Precautions: Use recommended personal protective equipment (see Section 8). Wash thoroughly after handling.
Storage Requirements: Store in a cool, dry area.

Section 8Exposure Controls/Personal Protection

Eye/Face Protection: Full face shield or goggles.
Skin Protection: Impervious gloves and clothing to prevent skin contact.
Respiratory Protection: NIOSH/MSHA approved respirator for acid fumes.
Other Personal Protective Equipment: Eye wash 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: Not Applicable.

Section 9 Physical and Chemical Properties

Appearance/Physical State: Solid cylindrical crayon.
Odor: Not Applicable.
Odor Threshold (ppm): Not Determined.
Specific Gravity (H_2O = 1): >1
Solubility in Water: Slightly soluble.
Coefficient of Water/Oil Solubility: <1
pH: Not Applicable.
Melting Point: Approximately 400°F/204°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.: 0%(w/w), 0%(v/v), 0 lbs./gal.(U.S.)

Section 10 Stability and Reactivity

Chemical Stability: Stable
Hazardous Polymerization: Will not occur.
Conditions to Avoid: Not Applicable.
Chemicals to Avoid: Oxidizers, Strong Alkalis.
Hazardous Decomposition Products: Not Applicable.

Section 11 Toxicological Information

Sensitization to Product: Can cause skin and respiratory tract sensitization.
Irritancy of Product: Eyes, Skin, and Respiratory Tract.
Reproductive Toxicity: Not Applicable.
Teratogenicity: Not Applicable.
Mutagenicity: Not Applicable.

Toxicological information regarding individual ingredients, if applicable, may be found in Section 2.

Section 12 Ecological Information

Not Determined.

Section 13 Disposal Considerations

Dispose of in accordance with applicable federal, state, and local regulations.

Section 14 Transport Information

Not regulated by U.S. D.O.T.

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 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.

OSHA Hazard Status: This product is considered to be hazardous as defined by the U.S. OSHA HCS (29 CFR 1910.1200).
Toxic Substances Control Act (TSCA): All ingredients contained in this product are listed on the U.S. EPA TSCA Chemical Substance Inventory.
Canadian Domestic Substances List (DSL): All ingredients contained in this product are listed on the Canadian EPA (CEPA) Domestic Substances List (DSL).
European Inventory of Existing Chemical Substances (EINECS): All ingredients contained in this product are listed on the European Inventory of Existing Chemical Substances (EINECS).
WHMIS Rating (Canada): D-1B, D-2B
Risk Phrases (Canada): Skin, Eye, and Respiratory Tract Irritant. Skin and Respiratory Tract Sensitizer.
Precautionary Statements (Canada): Avoid Skin and Eye Contact. Avoid Breathing Fumes.

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 and the Canadian WHMIS Controlled Products Regulations. This MSDS contains all the information required by the above regulations and conforms to ANSI Z400.1-1993.

Section 16 Other Information

Abbreviations:
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.