

Material Safety Data Sheet

Section 1 Product and Company Identification

Product Name: **HT & HT-25 Paintstik**
 Revision #: 1.3 Date Prepared: January 30, 1995 Date Revised: February 5, 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 crayon for hot metal surfaces.

Supplier/Importer:

Section 2 Composition/Information on Ingredients

<u>Ingredient</u>	<u>CAS No.</u>	<u>%</u>
<u>HT 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 HT Paintstik.	8007-18-9	25
Antimony and compounds, as Sb ^{1,3,4,5,6} ACGIH: TWA = 0.5 mg/m ³ , OSHA: TWA = 0.5 mg/m ³ EPA: CERCLA RQ = 5000 lbs.; EPCRA sec. 313 de minimus concentration = 1.0%	7440-36-0	2.8
Nickel ^{1,2,3,4,5,6} ACGIH: TWA = 0.2 mg/m ³ , OSHA: TWA = 1 mg/m ³ 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 substances. Due to its unique crystalline structure the properties of this finished pigment do not necessarily reflect the properties of the component metals or oxides.		
<u>HT Paintstik GREEN only</u>		
Cobalt Titanate Green Spinel	68186-85-6	35
This pigment contains the following heavy metals. The percent amounts listed represent the amount of these heavy metals contained in the HT Paintstik.		
Antimony and compounds, as Sb ^{1,3,4,5,6} (See above for regulatory information)	7440-36-0	1.5
Cobalt ^{1,2,3,4,5,6} ACGIH: TWA = 0.02 mg/m ³ , OSHA: TWA = 0.1 mg/m ³ EPA: EPCRA sec. 313 de minimus concentration = 0.1%	7440-48-4	4
Nickel ^{1,2,3,4,5,6} (See above for regulatory information)	7440-02-0	8
Zinc ^{1,3,4,5} EPA: CERCLA RQ = 1000 lbs.; EPCRA sec. 313 de minimus concentration = 1.0% (fume and dust)	7440-66-6	6
This pigment is the result of high temperature calcination of the component		

Product Name:

HT & HT-25 Paintstik

Revision #: 1.3

Date Prepared: January 30, 1995

Date Revised: February 5, 2010

substances. Due to its unique crystalline structure the properties of this finished pigment do not necessarily reflect the properties of the component metals or oxides.

(For Section 2 footnotes: See Section 15)

Section 3

Hazards Identification

EMERGENCY OVERVIEW: Fumes may be irritating.

FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.

POTENTIAL HEALTH EFFECTS

Primary Exposure Routes: Eyes, Skin, Ingestion, Inhalation

Acute Effects

Eyes: Concentrated fumes may be irritating.

Skin: Not Applicable.

Ingestion: May cause nausea.

Inhalation: Concentrated fumes may be irritating.

Chronic Effects

Eyes: Not Applicable.

Skin: Not Applicable.

Ingestion: Not Applicable.

Inhalation: Not Applicable.

Carcinogenicity:

Nickel compounds and insoluble compounds (HT Paintstiks GREEN and YELLOW only):

ACGIH: ACGIH states that this substance has been identified by other sources as a suspected or confirmed human carcinogen.

IARC: Although IARC has assigned an overall evaluation to metallic nickel (Group 2B) and nickel compounds (Group 1), it has not assigned an overall evaluation to all substances within this group.

Cobalt, elemental, and inorganic compounds (HT Paintstik GREEN only):

ACGIH: ACGIH states that this substance has been identified by other sources as a suspected or confirmed human carcinogen.

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: Flush with water.

Ingestion: If a large amount is ingested, give water.

Inhalation: Remove to fresh air. Consult physician if respiratory irritation occurs.

Other Information: Not Applicable.

Section 5

Fire Fighting Measures

Flash Point (method): Non-liquid product. Not applicable per OSHA Regulations, Standards - 29 CFR 1910.106 (a) (14) (>200°F/93°C for melted product.)

Autoignition Temperature: Not Determined.

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

Flammability Classification: I I I B

Product Name:

HT & HT-25 Paintstik

Revision #: 1.3

Date Prepared: January 30, 1995

Date Revised: February 5, 2010

Extinguishing Media: Foam, Carbon Dioxide (CO₂), Dry Chemical, Water Fog.

Hazardous Combustion Products: Carbon Monoxide, Carbon Dioxide, Organic Acids, Aldehydes, Alcohols.

Unusual Fire or Explosion Hazards: None Known.

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

Sweep or scrape up. Use recommended personal protective equipment (see Section 8).

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: Self-contained breathing apparatus only in highly confined areas.

Other 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: 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: Solid cylindrical crayon.

Odor: Not Applicable.

Odor Threshold (ppm): Not Determined.

Specific Gravity (H₂O = 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 250⁰F/120⁰C

Boiling Point: Not Determined.

Vapor Pressure (mm Hg at 20⁰C): 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%

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.

Product Name:

HT & HT-25 Paintstik

Revision #: 1.3

Date Prepared: January 30, 1995

Date Revised: February 5, 2010

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: Will Not Occur

Conditions to Avoid: None Known.

Chemicals to Avoid: Acids, bases, 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.

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.

Product Name:

HT & HT-25 Paintstik

Revision #: 1.3

Date Prepared: January 30, 1995

Date Revised: February 5, 2010

- 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 0, 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: D-2B

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 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.

