

Material Safety Data Sheet

This document consists of two MSDS's

- W-S 3/8" & 11/16" Paintstik All Colors (Except Yellow)
- W-S 3/8" & 11/16" Paintstik - Yellow

Section 1 Product and Company Identification

Product Name: **W-S 3/8" & 11/16" Paintstik
All Colors (Except Yellow)**

Revision #: 2.4

Date Prepared: June 15, 1993
Date Revised: June 15, 2004

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: Water removable marking crayon.

Supplier/Importer:

Section 2 Composition/Information on Ingredients

Ingredient

CAS No.

%

No Hazardous ingredients according to the U.S. OSHA Hazard Communication Standard 29 CFR 1910.1200, Canadian WHMIS regulations, British CHIP2 regulation 6, and Australian Regulations for the Control of Workplace Hazardous Substances.

(For Section 2 footnotes: See Section 15)

Section 3 Hazards Identification

EMERGENCY OVERVIEW: None.

POTENTIAL HEALTH EFFECTS

Primary Exposure Routes: Ingestion

Acute Effects

Eyes: May cause mild transient irritation.

Skin: Not Applicable.

Ingestion: May cause nausea and diarrhea.

Inhalation: Not Applicable.

Chronic Effects

Eyes: Not applicable.

Skin: Not Applicable.

Ingestion: Not applicable.

Product Name:

W-S 3/8" & 11/16" Paintstik All Colors (Except Yellow)

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Inhalation: Not Applicable.

Carcinogenicity: Not Applicable.

Target Organ Effects: Not Applicable.

Medical Conditions Aggravated by Long-Term Exposure: None known.

Other Information: Not Applicable.

Section 4

First Aid

Eye Contact: Flush thoroughly with water for 15 minutes while holding eyelids apart.

Skin Contact: Flush with water

Ingestion: Drink plenty of water or milk. Contact physician.

Inhalation: Not Applicable.

Other Information: Not applicable.

Section 5

Fire Fighting Measures

Flash Point (method): 200°F / 93°C

Autoignition Temperature: Not Determined.

LEL: None Determined. **UEL:** Not Determined.

Flammability Classification: NFPA IIIA

Extinguishing Media: Carbon Dioxide, Foam, Water.

Hazardous Combustion Products: Carbon Monoxide, Carbon Dioxide, possible Nitrogen Oxides.

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 Spill: Sweep or scrape up.

Large Spill: Sweep or 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 recommended.

Skin/Hand Protection: Not Applicable.

Product Name:

W-S 3/8" & 11/16" Paintstik All Colors (Except Yellow)

Revision #: 2.4

Date Prepared: June 15, 1993

Date Revised: June 15, 2004

Respiratory Protection: Not applicable.

Other Equipment: Not Applicable.

Engineering Controls: Normal room ventilation.

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 Marker.

Odor: Floral.

Odor Threshold (ppm): Not Determined.

Specific Gravity (H₂O = 1): > 1

Solubility - Water: Soluble.

- **Fat:** Insoluble

Coefficient of Water/Oil Solubility: >>1

Partition Coefficient (n-octanol/water): <<1

pH: Not Determined.

Melting Point: Not Determined.

Boiling Point: Not Determined.

Vapor Pressure (mm Hg at 20°C): Low.

Vapor Density (Air = 1): Not Determined.

Evaporation Rate (n-BuAc=1): < 1

V.O.C.: 0%(w/w), 0%(v/v), 0 lbs./gal.(U.S.), 0 kg/l

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.

Section 10 Stability and Reactivity

Chemical Stability: Stable.

Hazardous Polymerization: Will Not Occur

Conditions to Avoid: Not Applicable.

Chemicals to Avoid: Strong Oxidizing Agents.

Hazardous Decomposition Products (non-thermal): Not Applicable.

Section 11 Toxicological Information

Sensitization to Product: Not Applicable.

Irritancy of Product: Not applicable.

Reproductive Toxicity: Not Applicable.

Teratogenicity: Not Applicable.

Mutagenicity: Not Applicable.

Product Name:

W-S 3/8" & 11/16" Paintstik All Colors (Except Yellow)

Revision #: 2.4

Date Prepared: June 15, 1993

Date Revised: June 15, 2004

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 applicable federal, state, and local regulations. Do not contaminate any streams, lakes or ponds. Dispose of as typical household waste.

Section 14 Transport Information

U.S. D.O.T.
Proper Shipping Name: Not Regulated.
Hazard Class or Division: Not Regulated.
I.D. Number: Not Regulated.
CANADIAN TDG: 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 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: None.

Toxic Substances Control Act (TSCA): All ingredients contained in this product are listed on the U.S.

Product Name:

W-S 3/8" & 11/16" Paintstik All Colors (Except Yellow)

Revision #: 2.4

Date Prepared: June 15, 1993

Date Revised: June 15, 2004

EPA TSCA Chemical Substance Inventory.

HMIS Rating: Health 1, Flammability 0, Reactivity 0

NFPA 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 (Australia): None.

Poisons Schedule Number (Australia): None.

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.

Material Safety Data Sheet

Section 1 Product and Company Identification

Product Name: **W-S 3/8" & 11/16" Paintstik - Yellow**

Date Prepared: June 15, 1993

Revision #: 2.2

Date Revised: May 19, 1999

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:

Supplier/Importer:

Section 2 Composition/Information on Ingredients

<u>Ingredient</u>	<u>CAS No.</u>	<u>%</u>
Nickel Antimony Titanium Yellow Pigment	8007-18-9	
Pigment Contains: Antimony ¹	7440-36-0	
Nickel ¹ (Nickel TPQ=10,000 lbs)	7440-02-0	

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 for oxides. This pigment has been tested for oral and acute oral toxicity and found to be non-irritating. Some compounds of the metals contained in this pigment, antimony and insoluble nickel, have demonstrated various toxic properties. However, there is no evidence that this pigment has these toxic properties.

(For Section 2 footnotes: See Section 15)

Section 3 Hazards Identification

EMERGENCY OVERVIEW: None.

POTENTIAL HEALTH EFFECTS

Primary Exposure Routes: Ingestion

Acute Effects

Eyes: May cause mild transient irritation.

Skin: Not Applicable.

Ingestion: May cause nausea and diarrhea.

Inhalation: Not Applicable.

Product Name: W-S 3/8" & 11/16" Paintstik - Yellow

Date Prepared: June 15, 1993

Revision #: 2.2

Date Revised: May 19, 1999

Chronic Effects

Eyes: Not applicable.

Skin: Not Applicable.

Ingestion: Not applicable.

Inhalation: Not Applicable.

Carcinogenicity: Not Applicable.

Target Organ Effects: Not Applicable.

Medical Conditions Aggravated by Long-Term Exposure: None known.

Other Information: Not Applicable.

Section 4

First Aid

Eye Contact: Flush thoroughly with water for 15 minutes while holding eyelids apart.

Skin Contact: Flush with water.

Ingestion: Drink plenty of water or milk. Contact physician.

Inhalation: Not Applicable.

Other Information: None Known.

Section 5

Fire Fighting Measures

Flash Point (method): 200°F / 93°C

Autoignition Temperature: Not Determined.

LEL: None Determined. **UEL:** Not Determined.

Flammability Classification: NFPA Class IIIA

Extinguishing Media: Carbon Dioxide, Foam, Water.

Hazardous Combustion Products: Carbon Monoxide, Carbon Dioxide, possible Nitrogen Oxides.

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 Spill: Sweep up and dispose of in metal or plastic containers.

Large Spill: Sweep up and dispose of in metal or plastic containers.

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

Product Name: W-S 3/8" & 11/16" Paintstik - Yellow

Date Prepared: June 15, 1993

Revision #: 2.2

Date Revised: May 19, 1999

Eye/Face Protection: Safety glasses recommended.

Skin/Hand Protection: Not Applicable.

Respiratory Protection: None needed.

Other Equipment: Not Applicable.

Engineering Controls: Normal room ventilation.

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 Marker.

Odor: Floral.

Odor Threshold (ppm): Not Determined.

Specific Gravity (H₂O = 1): > 1

Solubility - Water: Soluble.

- **Fat:** Insoluble

Coefficient of Water/Oil Solubility: >>1

Partition Coefficient (n-octanol/water): <<1

pH: Not Determined.

Melting Point: Not Determined.

Boiling Point: Not Determined.

Vapor Pressure (mm Hg at 20°C): Low.

Vapor Density (Air = 1): Not Determined.

Evaporation Rate (n-BuAc=1): < 1

V.O.C.: 0%(w/w), 0%(v/v), 0 lbs./gal.(U.S.), 0 kg/l

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.

Section 10 Stability and Reactivity

Chemical Stability: Stable.

Hazardous Polymerization: Will Not Occur

Conditions to Avoid: Not Applicable.

Chemicals to Avoid: Strong Oxidizing Agents.

Hazardous Decomposition Products (non-thermal): Not Applicable.

Section 11 Toxicological Information

Sensitization to Product: Not Applicable.

Irritancy of Product: Not applicable.

Reproductive Toxicity: Not Applicable.

Teratogenicity: Not Applicable.

Product Name: **W-S 3/8" & 11/16" Paintstik - Yellow**

Date Prepared: June 15, 1993

Revision #: 2.2

Date Revised: May 19, 1999

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 applicable federal, state, and local regulations. Do not contaminate any streams, lakes or ponds. Dispose in metal or plastic containers.

Section 14 Transport Information

U.S. D.O.T.

Proper Shipping Name: Not Regulated.

Hazard Class or Division: Not Regulated.

I.D. Number: Not Regulated.

CANADIAN TDG: 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.

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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: None.

Toxic Substances Control Act (TSCA): All ingredients contained in this product are listed on the U.S.

Product Name: **W-S 3/8" & 11/16" Paintstik - Yellow**

Date Prepared: June 15, 1993

Revision #: 2.2

Date Revised: May 19, 1999

EPA TSCA Chemical Substance Inventory.

HMIS Rating: Health 1, Flammability 0, Reactivity 0

NFPA 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.

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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 (Australia): None.

Poisons Schedule Number (Australia): None.

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