

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

078388773

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

078369874 078388724 078388823

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

078388716 078388732 078388740 078388757

# 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 #:** 2.7

**Date Prepared:** June 15, 1993  
**Date Revised:** February 6, 2013

**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)**

**Revision #:** 2.7

**Date Prepared:** June 15, 1993  
**Date Revised:** February 6, 2013

**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 II II A

**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.

**Respiratory Protection:** Not applicable.

**Product Name:**

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

**Revision #:** 2.7

**Date Prepared:** June 15, 1993  
**Date Revised:** February 6, 2013

**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 (H<sub>2</sub>O = 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 #:** 2.7

**Date Prepared:** June 15, 1993  
**Date Revised:** February 6, 2013

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 #: 2.7

Date Prepared: June 15, 1993  
Date Revised: February 6, 2013

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**

Revision #: 2.7

Date Prepared: June 15, 1993

Date Revised: February 6, 2013

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 <sup>1</sup>	7440-36-0	
Nickel <sup>1</sup> (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**

**Revision #:** 2.7

**Date Prepared:** June 15, 1993

**Date Revised:** February 6, 2013

**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**

**Revision #:** 2.7

**Date Prepared:** June 15, 1993

**Date Revised:** February 6, 2013

**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 (H<sub>2</sub>O = 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**

**Revision #:** 2.7

**Date Prepared:** June 15, 1993

**Date Revised:** February 6, 2013

**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.

## **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 - Yellow**

**Revision #:** 2.7

**Date Prepared:** June 15, 1993

**Date Revised:** February 6, 2013

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.

# B Paintstik® MARKER 1 White, ½ Hex Blue, ½ Hex White, ½ Hex Yellow, 16 Black, 16 Orange, 16 White, 16 Yellow, 3/8 Yellow, Aluminum, Black, Blue, Green, Gray, Orange, Pink, Purple, Red, Silver, White, Yellow

LA-CO Industries, Inc.

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
according to Canadian Hazardous Products Regulations (HPR)  
Date of issue: 07/21/2015  
Revision date: 10/29/2015

Version: 1.1

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product form : Mixture  
Trade name : B Paintstik® MARKER 1 White, ½ Hex Blue, ½ Hex White, ½ Hex Yellow, 16 Black, 16 Orange, 16 White, 16 Yellow, 3/8 Yellow, Aluminum, Black, Blue, Green, Gray, Orange, Pink, Purple, Red, Silver, White, Yellow

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Marking.

### 1.3. Details of the supplier of the safety data sheet

LA-CO Industries, Inc.  
1201 Pratt Boulevard  
Elk Grove Village, IL. 60007-5746  
Phone: (847) 956-7600  
Fax: (847) 956-9885  
E-mail: customer\_service@laco.com

### 1.4. Emergency telephone number

Emergency number : 24-hour emergency: CHEMTREC- U.S. : 1-800-424-9300 International: +1-703-527-3887

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification in accordance with the Globally Harmonized Standard

Not classified

### 2.2. Label elements

#### GHS-US labelling

No labelling applicable

### 2.3. Other hazards

### 2.4. Unknown acute toxicity (GHS US)

1.1 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)

1.1 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

1.17 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product identifier	% (w/w)	GHS-US classification
aluminium powder (pyrophoric)	(CAS No) 7429-90-5	12.15 – 16.2 : Aluminum 19.56 – 26.08 : Silver	Pyr. Sol. 1, H250 Water-react. 2, H261
Carbon black	(CAS No) 1333-86-4	2.25 : 16 Black 0.91 – 1.42 : Black 0.24 : Gray	Carc. 2, H351
Silicon dioxide (cristobalite)	(CAS No) 14808-60-7	0 – 1.1 : Black 0 – 1.09 : Red, Black 0 – 0.96 : White 0 – 1.07 : Blue 0 – 1.06 : Green, Orange	Carc. 1A, H350

# B Paintstik® MARKER 1 White, ½ Hex Blue, ½ Hex White, ½ Hex Yellow, 16 Black, 16 Orange, 16 White, 16 Yellow, 3/8 Yellow, Aluminum, Black, Blue, Green, Gray, Orange, Pink, Purple, Red, Silver, White, Yellow

## Safety Data Sheet

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according to Canadian Hazardous Products Regulations (HPR)

Name	Product identifier	% (w/w)	GHS-US classification
4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide, C.I. Pigment Red 170 (naphthol <1%)	(CAS No) 2786-76-7	0.12 : Pink 0.52 : Red	Skin Sens. 1, H317

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact : Wash with plenty of soap and water.

First-aid measures after eye contact : In case of contact, immediately flush eyes with plenty of water.

First-aid measures after ingestion : Get medical advice/attention if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : May cause respiratory irritation.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media : None known.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : No particular fire or explosion hazard.

Reactivity : No dangerous reactions known.

### 5.3. Advice for firefighters

Firefighting instructions : Keep upwind.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid creating or spreading dust.

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Emergency procedures : Ventilate area. Stop leak if safe to do so.

### 6.2. Environmental precautions

Do not discharge into drains or the environment. Prevent entry to sewers and public waters.

### 6.3. Methods and material for containment and cleaning up

For containment : Avoid generating dust. Sweep or shovel into suitable containers.

### 6.4. Reference to other sections

Section 8: personal protective equipment.

# B Paintstik® MARKER 1 White, ½ Hex Blue, ½ Hex White, ½ Hex Yellow, 16 Black, 16 Orange, 16 White, 16 Yellow, 3/8 Yellow, Aluminum, Black, Blue, Green, Gray, Orange, Pink, Purple, Red, Silver, White, Yellow

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
according to Canadian Hazardous Products Regulations (HPR)

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

#### 7.2. Conditions for safe storage, including any incompatibilities

Incompatible products : Strong oxidizers.  
Prohibitions on mixed storage : Incompatible materials.  
Storage area : Store in dry, cool, well-ventilated area.

#### 7.3. Specific end use(s)

Marking.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

**B Paintstik® MARKER 1 White, ½ Hex Blue, ½ Hex White, ½ Hex Yellow, 16 Black, 16 Orange, 16 White, 16 Yellow, 3/8 Yellow, Aluminum, Black, Blue, Green, Gray, Orange, Pink, Purple, Red, Silver, White, Yellow**

ACGIH Not applicable

OSHA Not applicable

##### Carbon black (1333-86-4)

ACGIH	ACGIH TWA (mg/m³)	3.5 mg/m³
ACGIH	Remark (ACGIH)	Bronchitis
OSHA	OSHA PEL (TWA) (mg/m³)	3.5 mg/m³
Canada (Quebec)	VEMP (mg/m³)	10 mg/m³ (Fibres de carbone et de graphite; Poussière totale) 5 mg/m³ (Fibres de carbone et de graphite; Poussière respirable) 3.5 mg/m³

##### aluminium powder (pyrophoric) (7429-90-5)

ACGIH	ACGIH TWA (mg/m³)	1 mg/m³
ACGIH	Remark (ACGIH)	Pneumoconiosis; LRT irr
OSHA	OSHA PEL (TWA) (mg/m³)	15 mg/m³ (total dust) 5 mg/m³ (respirable dust)
Canada (Quebec)	VEMP (mg/m³)	10 mg/m³
Canada (Quebec)	Notations and remarks	(Métal)

##### Silicon dioxide (cristobalite) (14808-60-7)

ACGIH	ACGIH TWA (mg/m³)	0.025 mg/m³
ACGIH	Remark (ACGIH)	(respirable dust)
OSHA	OSHA PEL (TWA) (ppm)	250 mppcf
OSHA	Remark (OSHA)	(3) See Table Z-3.
Canada (Quebec)	VEMP (mg/m³)	0.1 mg/m³
Canada (Quebec)	Notations and remarks	(la poussière respirable), (C2)

##### 4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide, C.I. Pigment Red 170 (naphthol <1%) (2786-76-7)

ACGIH Not applicable

OSHA Not applicable

#### 8.2. Exposure controls

Appropriate engineering controls : Avoid dispersal of dust in the air (ie, clearing dust surfaces with compressed air). Eyewash stations.

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : None under normal use.

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Eye protection	: Chemical goggles or safety glasses.
Respiratory protection	: None under normal use.
Other information	: Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: A solid crayon-like marker.
Colour	: Variable.
Odour	: Slight, vegetable oil.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: 66 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 204 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: insoluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

VOC content	: 0 %
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous Polymerization may occur.

### 10.4. Conditions to avoid

Heat.

### 10.5. Incompatible materials

Strong oxidizers.

### 10.6. Hazardous decomposition products

Aldehydes.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	: Not classified
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<b>Carbon black (1333-86-4)</b>	
LD50 oral rat	> 8000 mg/kg
LC50 inhalation rat (mg/l)	> 4.6 mg/m³ 4 h
<b>aluminium powder (pyrophoric) (7429-90-5)</b>	
LD50 oral rat	> 15900 mg/kg bodyweight
<b>4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide, C.I. Pigment Red 170 (naphthol &lt;1%) (2786-76-7)</b>	
LD50 oral rat	> 15000 mg/kg
LC50 inhalation rat (mg/l)	> 1580 mg/m³ 4 h

<b>Skin corrosion/irritation</b>	: Not classified
<b>Serious eye damage/irritation</b>	: Not classified
<b>Respiratory or skin sensitisation</b>	: Not classified.
<b>Germ cell mutagenicity</b>	: Not classified
<b>Carcinogenicity</b>	: Not classified.

<b>Carbon black (1333-86-4)</b>	
IARC group	2B - Possibly carcinogenic to humans, Inhalation of dust
National Toxicology Program (NTP) Status	Not listed in carcinogenicity class
<b>Silicon dioxide (cristobalite) (14808-60-7)</b>	
IARC group	1 - Carcinogenic to humans, Inhalation of dust

<b>Reproductive toxicity</b>	: Not classified
<b>Specific target organ toxicity (single exposure)</b>	: Not classified
<b>Specific target organ toxicity (repeated exposure)</b>	: Not classified
<b>Aspiration hazard</b>	: Not classified
<b>Potential adverse human health effects and symptoms</b>	
Symptoms/injuries after inhalation	: May cause respiratory irritation.
Likely routes of exposure	: Inhalation;Skin and eye contact

## SECTION 12: Ecological information

### 12.1 Toxicity

<b>4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide, C.I. Pigment Red 170 (naphthol &lt;1%) (2786-76-7)</b>	
LC50 fish 1	> 500 mg/l 96 h
EC50 Daphnia 1	> 110 mg/l 48 h

### 12.2. Persistence and degradability

<b>Carbon black (1333-86-4)</b>	
Persistence and degradability	Not readily biodegradable.
<b>4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide, C.I. Pigment Red 170 (naphthol &lt;1%) (2786-76-7)</b>	
Persistence and degradability	Not readily biodegradable.
Biodegradation	0 % 28 d

### 12.3. Bioaccumulative potential

<b>4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide, C.I. Pigment Red 170 (naphthol &lt;1%) (2786-76-7)</b>	
BCF fish 1	53 l/kg
Log Pow	1.28

### 12.4. Mobility in soil



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### 12.5. Other adverse effects

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

## SECTION 14: Transport information

In accordance with DOT and TDG

Not considered a dangerous good for transport regulations

Proper Shipping Name (ADR) : Not applicable

Transport hazard class(es) (ADR) :

### Transport by sea

Transport hazard class(es) (IMDG) :

### Air transport

Transport hazard class(es) (IATA) :

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### Carbon black (1333-86-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### aluminium powder (pyrophoric) (7429-90-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### Silicon dioxide (cristobalite) (14808-60-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide, C.I. Pigment Red 170 (naphthol <1%) (2786-76-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. International regulations

#### CANADA

#### Carbon black (1333-86-4)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### aluminium powder (pyrophoric) (7429-90-5)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### Silicon dioxide (cristobalite) (14808-60-7)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### 4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide, C.I. Pigment Red 170 (naphthol <1%) (2786-76-7)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### EU-Regulations

#### Carbon black (1333-86-4)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

#### aluminium powder (pyrophoric) (7429-90-5)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

#### Silicon dioxide (cristobalite) (14808-60-7)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

#### 4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide, C.I. Pigment Red 170 (naphthol <1%) (2786-76-7)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

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### National regulations

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All components are listed on the EEC inventory European Inventory of Existing Commercial Chemical Substances (EINECS).

All ingredients are listed in the Toxic Substances Control Act (TSCA).

All ingredients are listed on the Canadian Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL).

### 15.3. US State regulations

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State or local regulations

The carbon black in this product is bound and is not respirable. California Prop. 65 warnings are not required.

#### Carbon black (1333-86-4)

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
Yes	No	No	No	

#### Carbon black (1333-86-4)

U.S. - New Jersey - Right to Know Hazardous Substance List

#### aluminium powder (pyrophoric) (7429-90-5)

U.S. - New Jersey - Right to Know Hazardous Substance List

#### Silicon dioxide (cristobalite) (14808-60-7)

U.S. - New Jersey - Right to Know Hazardous Substance List

## SECTION 16: Other information

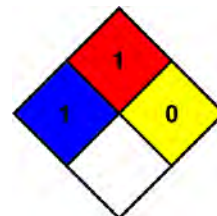
Indication of changes	: SECTION 15.
Data sources	: ACGIH (American Conference of Government Industrial Hygienists). European Chemicals Agency (ECHA) C&L Inventory database. Accessed at <a href="http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database">http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database</a> . Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition. National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition. OSHA 29CFR 1910.1200 Hazard Communication Standard. TSCA Chemical Substance Inventory. Accessed at <a href="http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html">http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html</a> .
Abbreviations and acronyms	: ATE: Acute Toxicity Estimate. CAS (Chemical Abstracts Service) number. CLP: Classification, Labelling, Packaging. EC50: Environmental Concentration associated with a response by 50% of the test population. GHS: Globally Harmonized System (of Classification and Labeling of Chemicals). LD50: Lethal Dose for 50% of the test population. OSHA: Occupational Safety & Health Administration. PBT: Persistent, Bioaccumulative, Toxic. TWA: Time Weight Average. TSCA: Toxic Substances Control Act.
Other information	: None.

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NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.  
NFPA fire hazard : 1 - Must be preheated before ignition can occur.  
NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and not reactive with water.



### Full text of H-statements:

Carc. 1A	Carcinogenicity, Category 1A
Carc. 2	Carcinogenicity, Category 2
Pyr. Sol. 1	Pyrophoric Solids, Category 1
Skin Sens. 1	Sensitisation — Skin, Category 1
Water-react. 2	Substances and Mixtures which, in contact with water, emit flammable gases, Category 2
H250	Catches fire spontaneously if exposed to air
H261	In contact with water releases flammable gases
H317	May cause an allergic skin reaction
H350	May cause cancer
H351	Suspected of causing cancer

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LACO NA GHS SDS

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*