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) 966-9885
E-mail: customer_service@laco.com

1.4. Emergency telephone number


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

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>% (w/w)</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black</td>
<td>(CAS No) 1333-86-4</td>
<td>2.25 : 16 Black 0.91 – 1.42 : Black 0.24 : Gray</td>
<td>Carc. 2, H351</td>
</tr>
<tr>
<td>Silicon dioxide (cristobalite)</td>
<td>(CAS No) 14808-60-7</td>
<td>0 – 1.1 : Black 0 – 1.09 : Red, Black 0 – 0.98 : White 0 – 1.07 : Blue 0 – 1.06 : Green, Orange</td>
<td>Carc. 1A, H350</td>
</tr>
</tbody>
</table>

29/10/2015 EN (English) SDS Ref.: LACO1507036 1/8
**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.
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

<table>
<thead>
<tr>
<th>Substance</th>
<th>ACGIH TWA (mg/m³)</th>
<th>ACGIH Remark</th>
<th>OSHA TWA (mg/m³)</th>
<th>OSHA Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black (1333-86-4)</td>
<td>3.5 mg/m³</td>
<td>Bronchitis</td>
<td>3.5 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Canada (Quebec)</td>
<td>10 mg/m³ (Fibres de carbone et de graphite; Poussière totale)</td>
<td></td>
<td>5 mg/m³ (Fibres de carbone et de graphite; Poussière respirable)</td>
<td>3.5 mg/m³</td>
</tr>
<tr>
<td>aluminium powder (pyrophoric) (7429-90-5)</td>
<td>1 mg/m³</td>
<td>Pneumoconiosis; LRT irr</td>
<td>15 mg/m³ (total dust)</td>
<td></td>
</tr>
<tr>
<td>Canada (Quebec)</td>
<td>10 mg/m³</td>
<td></td>
<td>5 mg/m³ (respirable dust)</td>
<td></td>
</tr>
<tr>
<td>Silicon dioxide (cristobalite) (14808-60-7)</td>
<td>0.025 mg/m³</td>
<td>(respirable dust)</td>
<td>250 mppcf</td>
<td>(3) See Table Z-3. (Métal)</td>
</tr>
<tr>
<td>Canada (Quebec)</td>
<td>0.1 mg/m³</td>
<td>(la poussière respirable), (C2)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.
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

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according to Canadian Hazardous Products Regulations (HPR)

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 %

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
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

Carbon black (1333-86-4)

<table>
<thead>
<tr>
<th>LD50 oral rat</th>
<th>&gt; 8000 mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 inhalation rat (mg/l)</td>
<td>&gt; 4.6 mg/m³ 4 h</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>LD50 oral rat</th>
<th>&gt; 15900 mg/kg bodyweight</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide, C.I. Pigment Red 170 (naphthol &lt;1%) (2786-76-7)</td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 15000 mg/kg</td>
</tr>
<tr>
<td>LC50 inhalation rat (mg/l)</td>
<td>&gt; 1580 mg/m³ 4 h</td>
</tr>
</tbody>
</table>

**Skin corrosion/irritation**: Not classified

**Serious eye damage/irritation**: Not classified

**Respiratory or skin sensitisation**: Not classified.

**Germ cell mutagenicity**: Not classified

**Carcinogenicity**: Not classified.

<table>
<thead>
<tr>
<th>IARC group</th>
<th>2B - Possibly carcinogenic to humans, Inhalation of dust</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Toxicology Program (NTP) Status</td>
<td>Not listed in carcinogenicity class</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>IARC group</th>
<th>1 - Carcinogenic to humans, Inhalation of dust</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity (repeated exposure)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

**Potential adverse human health effects and symptoms**

- Symptoms/Injuries after inhalation: May cause respiratory irritation.
- Likely routes of exposure: Inhalation; Skin and eye contact

### SECTION 12: Ecological information

#### 12.1 Toxicity

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

#### 12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Carbon black (1333-86-4)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability</td>
<td>Not readily biodegradable.</td>
</tr>
</tbody>
</table>

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

#### 12.3. Bioaccumulative potential

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

#### 12.4. Mobility in soil
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

<table>
<thead>
<tr>
<th>Substance</th>
<th>Status/Regulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black (1333-86-4)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
<tr>
<td>Aluminium powder (pyrophoric) (7429-90-5)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
<tr>
<td>Silicon dioxide (cristobalite) (14808-60-7)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
<tr>
<td>4-(4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide, C.I. Pigment Red 170 (naphthol &lt;1%) (2786-76-7)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
</tbody>
</table>

15.2. International regulations

CANADA

<table>
<thead>
<tr>
<th>Substance</th>
<th>Status/Regulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black (1333-86-4)</td>
<td>Listed on the Canadian DSL (Domestic Substances List) inventory.</td>
</tr>
<tr>
<td>Aluminium powder (pyrophoric) (7429-90-5)</td>
<td>Listed on the Canadian DSL (Domestic Substances List) inventory.</td>
</tr>
<tr>
<td>Silicon dioxide (cristobalite) (14808-60-7)</td>
<td>Listed on the Canadian DSL (Domestic Substances List) inventory.</td>
</tr>
<tr>
<td>4-(4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide, C.I. Pigment Red 170 (naphthol &lt;1%) (2786-76-7)</td>
<td>Listed on the Canadian DSL (Domestic Substances List) inventory.</td>
</tr>
</tbody>
</table>

EU-Regulations

<table>
<thead>
<tr>
<th>Substance</th>
<th>Status/Regulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black (1333-86-4)</td>
<td>Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)</td>
</tr>
<tr>
<td>Aluminium powder (pyrophoric) (7429-90-5)</td>
<td>Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)</td>
</tr>
<tr>
<td>Silicon dioxide (cristobalite) (14808-60-7)</td>
<td>Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)</td>
</tr>
<tr>
<td>4-(4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide, C.I. Pigment Red 170 (naphthol &lt;1%) (2786-76-7)</td>
<td>Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)</td>
</tr>
</tbody>
</table>
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

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according to Canadian Hazardous Products Regulations (HPR)

National regulations

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

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

<table>
<thead>
<tr>
<th>Carbon black (1333-86-4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. - California - Prop 65 - Carcinogens List</td>
</tr>
<tr>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Carbon black (1333-86-4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. - New Jersey - Right to Know Hazardous Substance List</td>
</tr>
</tbody>
</table>

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 Governmental Industrial Hygienists).

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.
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

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according to Canadian Hazardous Products Regulations (HPR)

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

Full text of H-statements:

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

SDS Prepared by: The Redstone Group, LLC
6077 Frantz Rd.
Suite 206
Dublin, OH USA 43016
T 614-923-7472
www.redstonegrp.com

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.