

# 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<br>19.56 – 26.08 : Silver   | Pyr. Sol. 1, H250<br>Water-react. 2, H261 |
| Carbon black                   | (CAS No) 1333-86-4  | 2.25 : 16 Black<br>0.91 – 1.42 : Black<br>0.24 : Gray   | Carc. 2, H351                             |
| Silicon dioxide (cristobalite) | (CAS No) 14808-60-7 | 0 – 1.1 : Black<br>0 – 1.09 : Red, Black<br>0 – 0.96 : White<br>0 – 1.07 : Blue<br>0 – 1.06 : Green, Orange | Carc. 1A, H350                            |

# B Paintstik® MARKER 1 White, 1/2 Hex Blue, 1/2 Hex White, 1/2 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)

| 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<br>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/m <sup>3</sup> )      | 3.5 mg/m <sup>3</sup>  |
| ACGIH           | Remark (ACGIH)                      | Bronchitis   |
| OSHA            | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 3.5 mg/m <sup>3</sup>  |
| Canada (Quebec) | VEMP (mg/m <sup>3</sup> )           | 10 mg/m <sup>3</sup> (Fibres de carbone et de graphite; Poussière totale)<br>5 mg/m <sup>3</sup> (Fibres de carbone et de graphite; Poussière respirable)<br>3.5 mg/m <sup>3</sup> |

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

|                 |                                     |  |
|-----------------|-------------------------------------|--|
| ACGIH           | ACGIH TWA (mg/m <sup>3</sup> )      | 1 mg/m <sup>3</sup>  |
| ACGIH           | Remark (ACGIH)                      | Pneumoconiosis; LRT irr  |
| OSHA            | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 15 mg/m <sup>3</sup> (total dust)<br>5 mg/m <sup>3</sup> (respirable dust) |
| Canada (Quebec) | VEMP (mg/m <sup>3</sup> )           | 10 mg/m <sup>3</sup>   |
| Canada (Quebec) | Notations and remarks               | (Métal)  |

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

|                 |                                |                                 |
|-----------------|--------------------------------|---------------------------------|
| ACGIH           | ACGIH TWA (mg/m <sup>3</sup> ) | 0.025 mg/m <sup>3</sup>         |
| ACGIH           | Remark (ACGIH)                 | (respirable dust)               |
| OSHA            | OSHA PEL (TWA) (ppm)           | 250 mppcf                       |
| OSHA            | Remark (OSHA)                  | (3) See Table Z-3.              |
| Canada (Quebec) | VEMP (mg/m <sup>3</sup> )      | 0.1 mg/m <sup>3</sup>           |
| 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.

# B Paintstik® MARKER 1 White, 1/2 Hex Blue, 1/2 Hex White, 1/2 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)

|                        |   |
|------------------------|---|
| 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

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

| <b>Carbon black (1333-86-4)</b> |                             |
|---------------------------------|-----------------------------|
| LD50 oral rat                   | > 8000 mg/kg                |
| LC50 inhalation rat (mg/l)      | > 4.6 mg/m <sup>3</sup> 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/m <sup>3</sup> 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

# 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  
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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)

# 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)

### National regulations

**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**

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

**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**

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

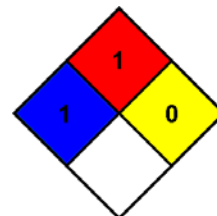
|                            |   |
|----------------------------|---|
| Indication of changes      | : SECTION 15.   |
| Data sources               | : ACGIH (American Conference of Government Industrial Hygienists).<br>European Chemicals Agency (ECHA) C&L Inventory database. Accessed at <a href="http://echa.europa.eu/web/guest/information-on-chemicals/cl-invent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

# B Paintstik® MARKER 1 White, 1/2 Hex Blue, 1/2 Hex White, 1/2 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  
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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*