

# Pro-Line® HP Paint Markers

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

### 1.1. Product identifier

Product form : Article  
Trade name : Pro-Line® HP Paint Markers  
Synonyms : Pro-Line® HP Paint Markers Gold, White, Yellow, Light Blue, Light Green, Pink, Black, Blue, Green, Orange, Silver, Purple, Red, Brown

### 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)

0.19 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)  
4.95 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)  
4.95 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                                 |
|---------------|--------------------|---|---|
| Cyclohexanone | (CAS No) 108-94-1  | 22.94 White<br>29.94 Yellow<br>34.67 Red<br>34.69 Black<br>33.22 Blue<br>32.25 Green<br>33.5 Orange<br>34 Silver<br>24.55 Pink<br>30.08 Purple<br>25.55 Light Blue<br>22.73 Light Green<br>33 Gold<br>32.48 Brown | Flam. Liq. 3, H226<br>Acute Tox. 4 (Inhalation), H332 |

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| Name  | Product identifier  | % (w/w)   | GHS-US classification   |
|---|---------------------|---|---|
| pentan-2-one  | (CAS No) 107-87-9   | 21 White<br>9.79 Yellow<br>32.52 Red<br>34.6 Black<br>34 Blue<br>33 Green, Orange, Gold<br>34 Silver<br>23.44 Pink<br>30 Purple<br>17.7 Light Blue<br>20.82 Light Green<br>33.5 Brown | Flam. Liq. 2, H225<br>Acute Tox. 4 (Oral), H302<br>Eye Irrit. 2A, H319                        |
| Zinc (pyrophoric)   | (CAS No) 7440-66-6  | 0.98 – 4.76 Gold  | Pyr. Sol. 1, H250<br>Water-react. 1, H260<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| Carbon black  | (CAS No) 1333-86-4  | 3.86 Black  | Carc. 2, H351   |
| 4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide, C.I. Pigment Red 170 (naphthol <1%) | (CAS No) 2786-76-7  | 3.77 Red<br>2.03 Pink<br>2.56 Brown   | Skin Sens. 1, H317  |
| Ethyl acetate   | (CAS No) 141-78-6   | 0.7 White, Light Blue<br>1 Yellow, Purple, Gold<br>1.08 Red<br>1.15 Black<br>1.11 Blue, Orange<br>1.1 Green<br>1.2 Silver<br>0.78 Pink<br>0.72 Light Green<br>1.18 Brown              | Flam. Liq. 2, H225<br>Eye Irrit. 2A, H319<br>STOT SE 3, H336                                  |
| [N,N,N',N'',N'''-hexaethyl-29H,31H-phthalocyaninetrimethylamino(2-)-N29,N30,N31,N32]copper                                  | (CAS No) 28654-73-1 | 0.2 Blue<br>0.13 Light Blue   | Skin Sens. 1B, 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 exposed or concerned: Get medical advice/attention.
- First-aid measures after inhalation : If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.
- First-aid measures after eye contact : If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- First-aid measures after ingestion : Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

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

- Symptoms/injuries after inhalation : In high concentrations : Harmful if inhaled. Inhalation may cause: irritation, coughing, shortness of breath.
- Symptoms/injuries after eye contact : Direct contact with the eyes is likely to be irritating.
- Symptoms/injuries after ingestion : Swallowing a small quantity of this material will result in serious health hazard.

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

All treatments should be based on observed signs and symptoms of distress in the patient.

### 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 : Highly flammable liquid and vapour.
- Explosion hazard : Product is not explosive.
- Reactivity : No dangerous reactions known.

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### 5.3. Advice for firefighters

- Firefighting instructions : Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Wear fire/flame resistant/retardant clothing. Wear a self contained breathing apparatus.

## SECTION 6: Accidental release measures

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

- General measures : Remove ignition sources. Use special care to avoid static electric charges.

#### 6.1.1. For non-emergency personnel

- Protective equipment : In case of inadequate ventilation wear respiratory protection.
- Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

- Protective equipment : Where excessive vapour, mist, or dust may result, use approved respiratory protection equipment.
- Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Avoid release to the environment. Do not discharge into drains or the environment.

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

- For containment : Eliminate all ignition sources.
- Methods for cleaning up : Wipe up with absorbent material (for example cloth).

### 6.4. Reference to other sections

Section 13: disposal information. Section 7: safe handling. Section 8: personal protective equipment.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : No open flames. No smoking. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Avoid breathing vapour/mist. Avoid contact with skin and eyes.
- Hygiene measures : Do not eat, drink or smoke when using this product. 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

- Storage conditions : Keep container tightly closed. Keep away from open flames, hot surfaces and sources of ignition.
- Incompatible products : Moisture. Alkali. Oxidizer. acid.
- Incompatible materials : Heat sources.
- Heat and ignition sources : Keep away from heat, sparks and flame.
- Prohibitions on mixed storage : Keep away from incompatible materials.

### 7.3. Specific end use(s)

Marking.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| Pro-Line® HP Paint Markers    |                                |                      |
|-------------------------------|--------------------------------|----------------------|
| ACGIH                         | Not applicable                 |                      |
| OSHA                          | Not applicable                 |                      |
| Zinc (pyrophoric) (7440-66-6) |                                |                      |
| ACGIH                         | Not applicable                 |                      |
| OSHA                          | Not applicable                 |                      |
| Cyclohexanone (108-94-1)      |                                |                      |
| ACGIH                         | ACGIH TWA (mg/m <sup>3</sup> ) | 50 mg/m <sup>3</sup> |
| ACGIH                         | ACGIH TWA (ppm)                | 20 ppm               |

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| <b>Cyclohexanone (108-94-1)</b>   |                                     |  |
|---|-------------------------------------|--|
| ACGIH   | ACGIH STEL (ppm)                    | 50 ppm   |
| ACGIH   | Remark (ACGIH)                      | Eye & URT irr  |
| OSHA  | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 200 mg/m <sup>3</sup>  |
| OSHA  | OSHA PEL (TWA) (ppm)                | 50 ppm   |
| Canada (Quebec)   | VEMP (mg/m <sup>3</sup> )           | 100 mg/m <sup>3</sup>  |
| Canada (Quebec)   | VEMP (ppm)                          | 25 ppm   |
| Canada (Quebec)   | Notations and remarks               | (Peau)   |
| <b>Ethyl acetate (141-78-6)</b>   |                                     |  |
| ACGIH   | ACGIH TWA (mg/m <sup>3</sup> )      | 1440 mg/m <sup>3</sup>   |
| ACGIH   | ACGIH TWA (ppm)                     | 400 ppm  |
| ACGIH   | Remark (ACGIH)                      | URT & eye irr  |
| OSHA  | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 1400 mg/m <sup>3</sup>   |
| OSHA  | OSHA PEL (TWA) (ppm)                | 400 ppm  |
| Canada (Quebec)   | VEMP (mg/m <sup>3</sup> )           | 1440 mg/m <sup>3</sup>   |
| Canada (Quebec)   | VEMP (ppm)                          | 400 ppm  |
| <b>pentan-2-one (107-87-9)</b>  |                                     |  |
| ACGIH   | ACGIH STEL (ppm)                    | 150 ppm  |
| OSHA  | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 700 mg/m <sup>3</sup>  |
| OSHA  | OSHA PEL (TWA) (ppm)                | 200 ppm  |
| Canada (Quebec)   | VEMP (mg/m <sup>3</sup> )           | 530 mg/m <sup>3</sup>  |
| Canada (Quebec)   | VEMP (ppm)                          | 150 ppm  |
| <b>[N,N,N',N',N'',N''-hexaethyl-29H,31H-phthalocyaninetrimethylamino(2-)-N29,N30,N31,N32]copper (28654-73-1)</b>                                  |                                     |  |
| ACGIH   | Not applicable                      |  |
| OSHA  | Not applicable                      |  |
| <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> |                                     |  |
| ACGIH   | Not applicable                      |  |
| OSHA  | Not applicable                      |  |
| <b>Carbon black (1333-86-4)</b>   |                                     |  |
| 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> |

### 8.2. Exposure controls

|                                  |   |
|----------------------------------|---|
| Appropriate engineering controls | : Provide local exhaust ventilation of closed transfer systems to minimize exposures.   |
| Personal protective equipment    | : Avoid all unnecessary exposure.   |
| Hand protection                  | : None under normal use. It is a good industrial hygiene practice to minimize skin contact. Wear suitable gloves. rubber.   |
| Eye protection                   | : No special eye protection equipment recommended under normal conditions of use. Eye protection should only be necessary where liquid could be splashed or sprayed.  |
| Respiratory protection           | : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation. In case of inadequate ventilation wear respiratory protection. Use an approved respirator equipped with oil/mist cartridges. |
| 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 | : Liquid         |
| Appearance     | : Opaque liquid. |

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|   |                             |
|---|-----------------------------|
| Colour                                      | : Variable.                 |
| Odour                                       | : Solvent.                  |
| Odour threshold                             | : No data available         |
| pH  | : No data available         |
| Relative evaporation rate (butyl acetate=1) | : No data available         |
| Melting point                               | : No data available         |
| Freezing point                              | : No data available         |
| Boiling point                               | : 103 °C                    |
| Flash point                                 | : 8 °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                                  | : No data available         |
| Log Pow                                     | : No data available         |
| Log Kow                                     | : No data available         |
| Viscosity, kinematic                        | : No data available         |
| Viscosity, dynamic                          | : No data available         |
| Explosive properties                        | : Product is not explosive. |
| Oxidising properties                        | : No oxidizing properties.  |
| Explosive limits                            | : No data available         |

### 9.2. Other information

VOC content : 67 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known.

### 10.2. Chemical stability

Highly flammable liquid and vapour.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Keep away from sources of ignition.

### 10.5. Incompatible materials

Oxidizing agent. Moisture. Alkali. acid.

### 10.6. Hazardous decomposition products

Thermal decomposition generates : metallic oxides. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Inhalation:dust,mist: Not classified.

| Zinc (pyrophoric) (7440-66-6) |                                |
|-------------------------------|--------------------------------|
| LD50 oral rat                 | > 2000 mg/kg OECD 401          |
| LC50 inhalation rat (mg/l)    | 5.41 g/m <sup>3</sup> OECD 403 |
| ATE CLP (vapours)             | 5.410 mg/l/4h                  |
| ATE CLP (dust,mist)           | 5.410 mg/l/4h                  |
| Cyclohexanone (108-94-1)      |                                |
| ATE CLP (dust,mist)           | 1.500 mg/l/4h                  |
| Ethyl acetate (141-78-6)      |                                |
| LD50 oral rat                 | 5620 mg/kg                     |
| LD50 dermal rabbit            | > 20000 mg/kg                  |
| LC50 inhalation rat (mg/l)    | > 18 mg/l/4h                   |
| ATE CLP (oral)                | 5620.000 mg/kg bodyweight      |

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| <b>pentan-2-one (107-87-9)</b> |                           |
|--------------------------------|---------------------------|
| LD50 oral rat                  | 1600 (1600 - 3200) mg/kg  |
| LC50 inhalation rat (mg/l)     | 25.5 mg/l/4h              |
| ATE CLP (oral)                 | 1600.000 mg/kg bodyweight |
| ATE CLP (vapours)              | 25.500 mg/l/4h            |
| ATE CLP (dust,mist)            | 25.500 mg/l/4h            |

| <b>[N,N,N',N',N'',N''-hexaethyl-29H,31H-phthalocyaninetrimethylaminato(2-)-N29,N30,N31,N32]copper (28654-73-1)</b> |               |
|--|---------------|
| LD50 oral rat  | > 10000 mg/kg |
| LD50 dermal rat  | > 2500 mg/kg  |

| <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>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 |

**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.

| <b>Cyclohexanone (108-94-1)</b> |                      |
|---------------------------------|----------------------|
| IARC group                      | 3 - Not classifiable |

| <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                      |

**Reproductive toxicity** : Not classified.  
**Specific target organ toxicity (single exposure)** : Not classified  
**Specific target organ toxicity (repeated exposure)** : Not classified

| <b>Zinc (pyrophoric) (7440-66-6)</b> |                          |
|--------------------------------------|--------------------------|
| NOAEL (oral, rat, 90 days)           | 458 mg/kg bodyweight/day |

**Aspiration hazard** : Not classified

### Potential adverse human health effects and symptoms

Symptoms/injuries after inhalation : In high concentrations : Harmful if inhaled. Inhalation may cause: irritation, coughing, shortness of breath.  
Symptoms/injuries after eye contact : Direct contact with the eyes is likely to be irritating.  
Symptoms/injuries after ingestion : Swallowing a small quantity of this material will result in serious health hazard.  
Likely routes of exposure : Inhalation;Skin and eye contact

## SECTION 12: Ecological information

### 12.1 Toxicity

Ecology - water : Harmful to aquatic life with long lasting effects.

| <b>Zinc (pyrophoric) (7440-66-6)</b> |   |
|--------------------------------------|---|
| LC50 fish 1                          | 0.168 (0.168 - 2.92) mg/l                             |
| EC50 Daphnia 1                       | 1.833 (1.833 - 2.909) mg/l OECD 202                   |
| NOEC (acute)                         | 0.117 mg/l 5 day study                                |
| NOEC chronic fish                    | 0.169 mg/l (0.169 - 0.172) 30 day study               |
| NOEC chronic crustacea               | 0.025 mg/l Basis for effect: reproduction. 1 wk study |
| NOEC chronic algae                   | 0.024 mg/l OECD 201                                   |

| <b>Ethyl acetate (141-78-6)</b> |             |
|---------------------------------|-------------|
| LC50 fish 1                     | 220 mg/l    |
| EC50 Daphnia 1                  | 1200 mg/l   |
| NOEC chronic fish               | < 9.35 mg/l |

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| <b>pentan-2-one (107-87-9)</b> |                 |
|--------------------------------|-----------------|
| LC50 fish 1                    | 1240 mg/l 96 h  |
| EC50 Daphnia 1                 | > 110 mg/l 48 h |
| ErC50 (algae)                  | > 150 mg/l 72 h |

| <b>[N,N,N',N'',N''',N''''-hexaethyl-29H,31H-phthalocyaninetrimethylamino(2-)-N29,N30,N31,N32]copper (28654-73-1)</b> |                 |
|--|-----------------|
| LC50 fish 1  | > 146 mg/l 96 h |
| EC50 Daphnia 1   | > 100 mg/l 48 h |

| <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>Pro-Line® HP Paint Markers</b> |   |
|-----------------------------------|---|
| Persistence and degradability     | May cause long-term adverse effects in the environment. |

| <b>Ethyl acetate (141-78-6)</b> |                        |
|---------------------------------|------------------------|
| Persistence and degradability   | Readily biodegradable. |

| <b>pentan-2-one (107-87-9)</b> |                        |
|--------------------------------|------------------------|
| Persistence and degradability  | Readily biodegradable. |
| Biodegradation                 | 70 % 28 d              |

| <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                   |

| <b>Carbon black (1333-86-4)</b> |                            |
|---------------------------------|----------------------------|
| Persistence and degradability   | Not readily biodegradable. |

### 12.3. Bioaccumulative potential

| <b>Pro-Line® HP Paint Markers</b> |                  |
|-----------------------------------|------------------|
| Bioaccumulative potential         | Not established. |

| <b>Zinc (pyrophoric) (7440-66-6)</b> |                                |
|--------------------------------------|--------------------------------|
| Bioaccumulative potential            | Not expected to bioaccumulate. |

| <b>Ethyl acetate (141-78-6)</b> |                                |
|---------------------------------|--------------------------------|
| Bioaccumulative potential       | Not expected to bioaccumulate. |

| <b>pentan-2-one (107-87-9)</b> |       |
|--------------------------------|-------|
| Log Pow                        | 0.857 |

| <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

No additional information available

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

- Sewage disposal recommendations : Do not dispose of waste into sewer.  
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

## SECTION 14: Transport information

In accordance with DOT and TDG

- Transport document description : UN1263 Paint (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base), 3, II  
UN-No.(DOT) : UN1263  
Proper Shipping Name (DOT) : Paint (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base)  
Transport hazard class(es) (DOT) : 3 - Flammable liquid  
Packing group (DOT) : II - Medium Danger

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### ADR

Transport document description : UN 1263 PAINT, 3, II, (D/E)  
Proper Shipping Name (ADR) : PAINT  
Packing group (ADR) : II  
Transport hazard class(es) (ADR) : 3

### Transport by sea

UN-No. (IMDG) : UN 1263  
Proper Shipping Name (IMDG) : PAINT  
Transport hazard class(es) (IMDG) : 3  
Packing group (IMDG) : II

### Air transport

UN-No. (IATA) : UN 1263  
Proper Shipping Name (IATA) : PAINT  
Transport hazard class(es) (IATA) : 3  
Packing group (IATA) : II

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

|   |             |
|---|-------------|
| <b>Pro-Line® HP Paint Markers</b>   |             |
| SARA Section 311/312 Hazard Classes   | Fire hazard |
| <b>Cyclohexanone (108-94-1)</b>   |             |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory   |             |
| <b>Ethyl acetate (141-78-6)</b>   |             |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory   |             |
| RQ (Reportable quantity, section 304 of EPA's List of Lists)  | 5000 lb     |
| <b>pentan-2-one (107-87-9)</b>  |             |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory   |             |
| <b>[N,N,N',N'',N'''-hexaethyl-29H,31H-phthalocyaninetrimethylamino(2-)-N29,N30,N31,N32]copper (28654-73-1)</b>                                    |             |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory   |             |
| <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> |             |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory   |             |
| <b>Carbon black (1333-86-4)</b>   |             |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory   |             |

### 15.2. International regulations

#### CANADA

|   |  |
|---|--|
| <b>Cyclohexanone (108-94-1)</b>   |  |
| Listed on the Canadian DSL (Domestic Substances List) inventory.  |  |
| <b>Ethyl acetate (141-78-6)</b>   |  |
| Listed on the Canadian DSL (Domestic Substances List) inventory.  |  |
| <b>pentan-2-one (107-87-9)</b>  |  |
| Listed on the Canadian DSL (Domestic Substances List) inventory.  |  |
| <b>[N,N,N',N'',N'''-hexaethyl-29H,31H-phthalocyaninetrimethylamino(2-)-N29,N30,N31,N32]copper (28654-73-1)</b>                                    |  |
| Listed on the Canadian DSL (Domestic Substances List) inventory.  |  |
| <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> |  |
| Listed on the Canadian DSL (Domestic Substances List) inventory.  |  |
| <b>Carbon black (1333-86-4)</b>   |  |
| Listed on the Canadian DSL (Domestic Substances List) inventory.  |  |

#### EU-Regulations

|  |  |
|--|--|
| <b>Cyclohexanone (108-94-1)</b>  |  |
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) |  |



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according to Canadian Hazardous Products Regulations (HPR)

### Ethyl acetate (141-78-6)

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

### pentan-2-one (107-87-9)

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

### [N,N,N',N'',N''',N''''-hexaethyl-29H,31H-phthalocyaninetrimethylamino(2-)-N29,N30,N31,N32]copper (28654-73-1)

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)

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

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

## National regulations

### Pro-Line® HP Paint Markers

All components are listed on the EEC inventory European Inventory of Existing Commercial Chemical Substances (EINECS).  
All ingredients are listed on the Canadian Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL).  
All ingredients are listed in the Toxic Substances Control Act (TSCA).

## 15.3. US State regulations

### Pro-Line® HP Paint Markers

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

### Cyclohexanone (108-94-1)

U.S. - Pennsylvania - RTK (Right to Know) List  
U.S. - New York - Right to Know List of Hazardous Chemicals  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Minnesota - Hazardous Substance List

### Ethyl acetate (141-78-6)

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

### pentan-2-one (107-87-9)

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

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

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 <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>.  
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 <http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html>.

# Pro-Line® HP Paint Markers

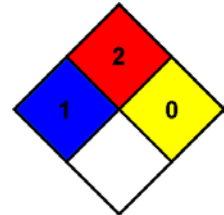
## Safety Data Sheet

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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.

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.  
NFPA fire hazard : 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.  
NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and not reactive with water.



### Full text of H-statements:

|                           |  |
|---------------------------|--|
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4  |
| Acute Tox. 4 (Oral)       | Acute toxicity (oral), Category 4  |
| Aquatic Acute 1           | Hazardous to the aquatic environment — Acute Hazard, Category 1                        |
| Aquatic Chronic 1         | Hazardous to the aquatic environment — Chronic Hazard, Category 1                      |
| Carc. 2                   | Carcinogenicity, Category 2  |
| Eye Irrit. 2A             | Serious eye damage/eye irritation, Category 2A   |
| Flam. Liq. 2              | Flammable liquids, Category 2  |
| Flam. Liq. 3              | Flammable liquids, Category 3  |
| Pyr. Sol. 1               | Pyrophoric Solids, Category 1  |
| Skin Sens. 1              | Sensitisation — Skin, Category 1   |
| Skin Sens. 1B             | Sensitisation — Skin, category 1B  |
| STOT SE 3                 | Specific target organ toxicity — Single exposure, Category 3, Narcosis                 |
| Water-react. 1            | Substances and Mixtures which, in contact with water, emit flammable gases, Category 1 |
| H225                      | Highly flammable liquid and vapour   |
| H226                      | Flammable liquid and vapour  |
| H250                      | Catches fire spontaneously if exposed to air   |
| H260                      | In contact with water releases flammable gases which may ignite spontaneously          |
| H302                      | Harmful if swallowed   |
| H317                      | May cause an allergic skin reaction  |
| H319                      | Causes serious eye irritation  |
| H332                      | Harmful if inhaled   |
| H336                      | May cause drowsiness or dizziness  |
| H351                      | Suspected of causing cancer  |
| H400                      | Very toxic to aquatic life   |
| H410                      | Very toxic to aquatic life with long lasting effects                                   |

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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*