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

1.1. Product identifier
Product form: Article
Trade name:
PRO-LINE® Fine Line PAINT MARKER Blue, Green, Light Green, Orange, Red, Yellow; PRO-LINE® Microline PAINT MARKER Red, Yellow; PRO-MAX™ PAINT MARKER Blue, Brown, Gray, Orange, Pink, Purple, Red, Yellow, Silver

Synonyms:
PRO-LINE® Fine Line PAINT MARKER Blue, Green, Light Green, Orange, Red, Yellow
PRO-LINE® Microline PAINT MARKER Red, Yellow
PRO-MAX™ PAINT MARKER Blue, Brown, Gray, Orange, Pink, Purple, Red, Yellow, Silver

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

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
No additional information available

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>1-Methoxy-2-propanol</td>
<td>(CAS No) 107-98-2</td>
<td>50 – 90</td>
<td>Flam. Liq. 3, H226</td>
</tr>
</tbody>
</table>

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. Get medical advice/attention if you feel unwell.
First-aid measures after inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
First-aid measures after eye contact: In case of contact, immediately flush eyes with plenty of water.
First-aid measures after ingestion: Do NOT induce vomiting. Get medical advice/attention.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries after inhalation: May cause drowsiness or dizziness.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media
Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture
Fire hazard: Flammable liquid and vapour.
Explosion hazard: May form flammable/explosive vapour-air mixture.
Reactivity: No dangerous reactions known.

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. Eliminate all ignition sources if safe to do so.
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: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking. Avoid all eye and skin contact and do not breathe vapour and mist.

6.1.1. For non-emergency personnel
Protective equipment: Chemical goggles or safety glasses. Wear suitable gloves.
Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders
Protective equipment: Chemical goggles or safety glasses. Wear suitable gloves.
Emergency procedures: Stop leak if safe to do so. Ventilate area.

6.2. Environmental precautions
Avoid release to the environment.

6.3. Methods and material for containment and cleaning up
For containment: Eliminate all ignition sources. Stop the flow of material, if this is without risk.
Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Take up in non-combustible absorbent material and shove into container for disposal.

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
Additional hazards when processed
Handle empty containers with care because residual vapours are flammable.
Precautions for safe handling
No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Avoid all eye and skin contact and do not breathe vapour and mist. Use only outdoors or in a well-ventilated area.
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
Technical measures
Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use only non-sparking tools.
Storage conditions
Keep container tightly closed. Keep away from open flames, hot surfaces and sources of ignition.
Incompatible products
Strong oxidizers.
Incompatible materials
Heat sources.
Heat and ignition sources
Keep away from heat, sparks and flame.
Prohibitions on mixed storage
Keep away from 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>Compounds</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Methoxy-2-propanol (107-98-2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>ACGIH TWA (mg/m³)</td>
<td>369 mg/m³</td>
</tr>
<tr>
<td>ACGIH</td>
<td>ACGIH TWA (ppm)</td>
<td>50 ppm</td>
</tr>
<tr>
<td>ACGIH</td>
<td>ACGIH STEL (mg/m³)</td>
<td>553 mg/m³</td>
</tr>
<tr>
<td>ACGIH</td>
<td>ACGIH STEL (ppm)</td>
<td>100 ppm</td>
</tr>
<tr>
<td>ACGIH</td>
<td>Remark (ACGIH)</td>
<td>Eye irr; CNS impair; A4</td>
</tr>
<tr>
<td>OSHA</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Canada (Quebec)</td>
<td>VECM (mg/m³)</td>
<td>553 mg/m³</td>
</tr>
<tr>
<td>Canada (Quebec)</td>
<td>VECM (ppm)</td>
<td>150 ppm</td>
</tr>
<tr>
<td>Canada (Quebec)</td>
<td>VEMP (mg/m³)</td>
<td>369 mg/m³</td>
</tr>
<tr>
<td>Canada (Quebec)</td>
<td>VEMP (ppm)</td>
<td>100 ppm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Compounds</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium powder (stabilised) (7429-90-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>ACGIH TWA (mg/m³)</td>
<td>1 mg/m³</td>
</tr>
<tr>
<td>ACGIH</td>
<td>Remark (ACGIH)</td>
<td>Pneumoconiosis; LRT irr</td>
</tr>
<tr>
<td>OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>15 mg/m³ (total dust) 5 mg/m³ (respirable dust)</td>
</tr>
<tr>
<td>Canada (Quebec)</td>
<td>VEMP (mg/m³)</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>Canada (Quebec)</td>
<td>Notations and remarks</td>
<td>(Métal)</td>
</tr>
</tbody>
</table>

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.
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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)

Hand protection : None under normal use. It is a good industrial hygiene practice to minimize skin contact. Wear suitable gloves, rubber.

Eye protection : Eye protection should only be necessary where liquid could be splashed or sprayed.

Respiratory protection : 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 : Solid marker containing liquid colored paint.
Colour : Variable.
Odour : Ether.
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 : 120 °C
Flash point : 31 °C
Auto-ignition temperature : > 250 °C
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapour pressure : 12 mbar @ 20 °C
Relative vapour density at 20 °C : No data available
Relative density : No data available
Density : 0.9 - 1.3 g/cm³ @ 20 °C
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 : No data available
Oxidising properties : No data available
Explosive limits : No data available

9.2. Other information
VOC content : < 82 %

SECTION 10: Stability and reactivity

10.1. Reactivity
No dangerous reactions known.

10.2. Chemical stability
Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions
Hazardous polymerization will not occur.

10.4. Conditions to avoid

10.5. Incompatible materials
Strong oxidizing agents.

10.6. Hazardous decomposition products
May release flammable gases.
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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 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity: Not classified

<table>
<thead>
<tr>
<th>Compound</th>
<th>LD50 oral rat</th>
<th>LC50 inhalation rat (ppm)</th>
<th>ATE CLP (oral)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Methoxy-2-propanol (107-98-2)</td>
<td>4016 mg/kg body weight</td>
<td>&gt; 7000 ppm 6 hr</td>
<td>4016.000 mg/kg body weight</td>
</tr>
<tr>
<td>aluminium powder (stabilised) (7429-90-5)</td>
<td>&gt; 15900 mg/kg</td>
<td></td>
<td></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

Reproductive toxicity: Not classified

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

Specific target organ toxicity (repeated exposure): Not classified

Aspiration hazard: Not classified

Potential adverse human health effects and symptoms

Symptoms/injuries after inhalation: May cause drowsiness or dizziness.

SECTION 12: Ecological information

12.1. Toxicity

1-Methoxy-2-propanol (107-98-2)

<table>
<thead>
<tr>
<th>Test</th>
<th>LC50 fish 1</th>
<th>EC50 Daphnia 1</th>
<th>ErC50 (algae)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Methoxy-2-propanol (107-98-2)</td>
<td>20800 mg/l</td>
<td>23300 mg/l</td>
<td>&gt; 1000 mg/l</td>
</tr>
</tbody>
</table>

aluminium powder (stabilised) (7429-90-5)

<table>
<thead>
<tr>
<th>Test</th>
<th>LC50 fish 1</th>
<th>EC50 Daphnia 1</th>
<th>LOEC (acute)</th>
<th>NOEC (acute)</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium powder (stabilised) (7429-90-5)</td>
<td>&gt; 218.64 mg/l ASTM 2000; test material: aluminium chloride hexahydrate; Pimephales promelas</td>
<td>1.4 mg/l OECD Guideline 202; test material: Aluminium hydroxide</td>
<td>72.89 mg/l</td>
<td>37.2 mg/l</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

1-Methoxy-2-propanol (107-98-2)

Persistence and degradability: Readily biodegradable.

Biodegradation: 96 % 28 d

12.3. Bioaccumulative potential

1-Methoxy-2-propanol (107-98-2)

Bioaccumulative potential: Not expected to bioaccumulate.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available
PRO-LINE® Fine Line PAINT MARKER Blue, Green, Light Green, Orange, Red, Yellow; PRO-LINE® Microline PAINT MARKER Red, Yellow; PRO-MAX™ PAINT MARKER Blue, Brown, Gray, Orange, Pink, Purple, Red, Yellow, Silver

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

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.
Additional information: Handle empty containers with care because residual vapours are flammable.
Ecology - waste materials: Avoid release to the environment.

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, III
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): III - Minor Danger

ADR
Transport document description: UN 1263 PAINT, 3, III, (D/E)
Proper Shipping Name (ADR): PAINT
Packing group (ADR): III
Class (ADR): 3 - Flammable liquid

Transport by sea
UN-No. (IMDG): UN 1263
Proper Shipping Name (IMDG): PAINT
Class (IMDG): 3 - Flammable liquids
Packing group (IMDG): III

Air transport
UN-No. (IATA): UN 1263
Proper Shipping Name (IATA): Paint
Class (IATA): 3 - Flammable Liquids
Packing group (IATA): III

SECTION 15: Regulatory information

15.1. US Federal regulations
1-Methoxy-2-propanol (107-98-2)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
aluminium powder (stabilised) (7429-90-5)
Subject to reporting requirements of United States SARA Section 313
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA
1-Methoxy-2-propanol (107-98-2)
Listed on the Canadian DSL (Domestic Substances List) inventory.
aluminium powder (stabilised) (7429-90-5)
Listed on the Canadian DSL (Domestic Substances List) inventory.

EU-Regulations
1-Methoxy-2-propanol (107-98-2)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
PRO-LINE® Fine Line PAINT MARKER Blue, Green, Light Green, Orange, Red, Yellow; PRO-LINE® Microline PAINT MARKER Red, Yellow; PRO-MAX™ PAINT MARKER Blue, Brown, Gray, Orange, Pink, Purple, Red, Yellow, Silver

Safety Data Sheet

aluminium powder (stabilised) (7429-90-5)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

PRO-LINE® Fine Line PAINT MARKER Blue, Green, Light Green, Orange, Red, Yellow; PRO-LINE® Microline PAINT MARKER Red, Yellow; PRO-MAX™ PAINT MARKER Blue, Brown, Gray, Orange, Pink, Purple, Red, Yellow, Silver

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).

15.3 US State regulations

1-Methoxy-2-propanol (107-98-2)
U.S. - Minnesota - Hazardous Substance List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - New York - Right to Know List of Hazardous Chemicals

aluminium powder (stabilised) (7429-90-5)
U.S. - Minnesota - Hazardous Substance List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - New York - Right to Know List of Hazardous Chemicals

SECTION 16: Other information

Indication of changes
Original Document.

Data sources
ACGIH (American Conference of Government 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.

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:
Flam. Liq. 3 Flammable liquids, Category 3
Flam. Sol. 1 Flammable solids, Category 1
STOT SE 3 Specific target organ toxicity — Single exposure, Category 3, Narcosis
PRO-LINE® Fine Line PAINT MARKER Blue, Green, Light Green, Orange, Red, Yellow; PRO-LINE® Microline PAINT MARKER Red, Yellow; PRO-MAX™ PAINT MARKER Blue, Brown, Gray, Orange, Pink, Purple, Red, Yellow, Silver

Safety Data Sheet

Water-react. 2
Substances and Mixtures which, in contact with water, emit flammable gases, Category 2
H226 Flammable liquid and vapour
H228 Flammable solid
H261 In contact with water releases flammable gases
H336 May cause drowsiness or dizziness

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