



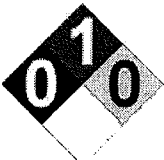
Product Name: PRO-WASH D  
Revision Date: November 17, 2011

## SAFETY DATA SHEET

### Section 1: Product and Company Identification

**Product Name:** PRO-WASH™ D Detergent Removable Paint Marker – White, Yellow, Red, Black, Green  
**Product Code:** 97010 (White), 97011 (Yellow), 97012 (Red), 97013 (Black), 97016 (Green), 97015 (Blue)  
**Product Use:** Temporary marker for metal, aluminum, glass, plastic and other non-porous surfaces.  
**Supplier:** LA-CO Industries, Inc.  
1201 Pratt Boulevard  
Elk Grove Village, IL  
60007-5746  
E-mail Contact: customer\_service@laco.com  
**Phone:** (847) 956-7600  
**Fax:** (847) 956-9885  
**24-hour Emergency:** CHEMTREC: (800) 424-9300

### Section 2: Hazards Identification

Protective Clothing	NFPA Rating (USA)	EC Classification	WHMIS (Canada)	Transportation
Not Required for Normal Use		Not Classified as Dangerous	Not Controlled	Not Regulated

#### Emergency Overview:

The liquid inside the marker contains components which are considered flammable and hazardous by inhalation of vapors, eye and skin contact. Exposure to hazardous or dangerous substances is not expected when handling this product for its intended use.

**Appearance, Color and Odor:** Marker containing less than 10 mL free liquid (until the tip is actuated and the liquid wets the nib). Marker is available in white, yellow, red, black, green and blue. Slight alcohol odor

USA: This product is not a hazardous material as defined by 29 CFR1910.1200, OSHA Hazard Communication Evaluation. This product meets the definition of an "article".

Canada: This is not a controlled product under WHMIS. This product meets the definition of a "manufactured article" and is not subject to the regulations of the Hazardous Products Act.

European Communities (EC): This product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

#### Potential Health Effects:

##### ACUTE (short term):

**Relevant Route(s) of Exposure:** Skin contact.

**Inhalation:** Exposure to hazardous substances by inhalation is not expected with normal use of the marker.

**Ingestion:** Not an expected route of occupational exposure. Acute oral toxicity of the component substances is low.

**Skin:** Normal use of marker will not result in harmful effects. The liquid may cause irritation when in contact with the skin.

**Eye:** Not an expected route of occupational exposure. Liquid and concentrated vapors can irritate the eyes.



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### Section 2: Hazards Identification, continued

**CHRONIC (long term):** see Section 11 for additional toxicological data

Long-term health effects are not expected with normal use of the marker.  
Prolonged or repeated contact with of the liquid to skin may result in defatting and drying of skin and may result in dermatitis.

**Medical Conditions Aggravated by Exposure:** Preexisting skin disorders may be aggravated by repeated exposure to the liquid in the marker.

**Interactions With Other Chemicals:** Not available

**Potential Environmental Effects:** Not available

### Section 3: Composition / Information on Ingredients

#### Hazardous/Dangerous Ingredients:

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Wt. %</u>	<u>EINECS / ELINCS</u>	<u>Symbol</u>	<u>Risk Phrases</u>
2-Propanol	67-63-0	40 – 65	200-661-7	F; Xi	R11; R36; R67

See Section 16 for the full text of the R-phrases above.

### Section 4: First Aid Measures

**Inhalation:** If symptoms are experienced remove source of contamination or move victim to fresh air and obtain medical advice.

**Eye Contact:** No effects expected. If irritation occurs, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes. If irritation persists, obtain medical advice.

**Skin Contact:** No health effects expected. If irritation does occur, flush with lukewarm, gently flowing water for 5 minutes. If irritation persists, obtain medical advice.

**Ingestion:** If irritation or discomfort occurs, obtain medical advice immediately.

### Section 5: Fire Fighting Measures

**Flammable Properties:** Liquid contained within the markers is flammable.

**Suitable extinguishing Media:** For small fires, use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam. For large fires, use carbon dioxide, dry chemical powder, alcohol-resistant foam or polymer foam. Firefighting foams are the extinguishing agent of choice for most flammable liquid fires. Use water spray to cool fire-exposed containers.

**Unsuitable extinguishing Media:** Not available

**Explosion Data:**

**Sensitivity to Mechanical Impact:** Not applicable

**Sensitivity to Static Discharge:** Not applicable



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### Section 5: Fire Fighting Measures, continued

**Specific Hazards arising from the Chemical:** If involved in a fire, combustion may produce toxic and irritating fumes and gases.

**Protective Equipment and precautions for firefighters:** Self-contained breathing apparatus and protective clothing should be worn. Remove all unprotected personnel.

NFPA

Health: 0  
Flammability: 1  
Instability: 0

### Section 6: Accidental Release Measures

**Personal Precautions:** If large volumes of liquid are released, wear protective gloves, goggles and clothing. Ventilate the area. Monitor the workplace air for harmful concentrations of vapors and take appropriate precautions if concentrations in air exceed workplace exposure limits.

**Environmental Precautions:** Prevent the product from entering sewers or waterways.

**Methods for Containment:** If large volumes of liquid are released, stop the leak if it is safe to do so. Contain spilled liquid with earth, sand, or absorbent material which does not react with spilled material.

**Methods for Clean-up:** Clean up spills immediately. Shut off or extinguish all sources of ignition. Immediately soak spilled material with water. Soak up spill with absorbent material which does not react with spilled chemical. Put material in suitable, covered, labeled containers. Contaminated absorbent material may pose the same hazards as the spilled product. Dispose of any contaminated, unusable product as described in Section 13 of this SDS.

### Section 7: Handling and Storage

**Handling:** Avoid breathing vapors. Do not use near sources of extreme heat. Keep out of reach of children.

**Storage:** Store in a cool, dry area, out of direct sunlight and away from heat, flames and ignition sources. Keep markers closed when not in use.

### Section 8: Exposure Controls/Personal Protection

#### Exposure Guidelines

Measurable airborne concentrations of the component substances, listed in Section 3, are not expected when the markers are used for their intended purpose. Consult local authorities for acceptable exposure limits.

<u>Ingredient</u>	<u>ACGIH TLV</u> <u>(8-hr. TWA)</u>	<u>U.S. OSHA PEL</u> <u>(8-hr. TWA)</u>	<u>Ontario (Canada)</u> <u>TWAEV</u>	<u>UK OEL</u> <u>(8-hr. TWA)</u>
2-Propanol	200 ppm 400 ppm (STEL)*	400 ppm (980 g/m <sup>3</sup> )	200 ppm 400 ppm (STEV)**	400 ppm (980 mg/m <sup>3</sup> ) Skin 500 ppm (STEL)



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### Section 8: Exposure Controls/Personal Protection, continued

#### Exposure Controls

**Engineering Controls:** Not required for normal use.

**Personal Protection:**

**Eye/Face Protection:** Not required for normal use. In case of accidental release of large quantities of liquid, wear goggles.

**Skin Protection:** Not required for normal use. In case of accidental release of large quantities of liquid, wear gloves.

**Respiratory Protection:** Not required for normal use.

**General Hygiene Measures:** Avoid breathing vapors. Do not ingest. Avoid contact of the liquid to skin and eyes. Keep out of reach of children.

### Section 9: Physical and Chemical Properties

<b>Physical State:</b>	Solid, containing liquid.	<b>Flash Point &amp; method:</b>	12 ± 1 °C (53 ± 2 °F)
<b>Appearance, Color and Odor:</b>	Valve-actuating tip marker containing colored liquid. Liquid has odor of alcohol.	<b>Autoignition Temperature:</b>	Not available
<b>Odor Threshold:</b>	Not available	<b>Flammability Limits in Air:</b>	Not available
<b>pH:</b>	Not applicable	<b>Vapor Pressure:</b>	30.00 for liquid
<b>Specific Gravity:</b>	Not available	<b>Vapor Density:</b>	Not applicable
<b>Partition coefficient:</b>	Not available	<b>Evaporation Rate:</b>	Not applicable
<b>Solubility:</b>	Not applicable	<b>Boiling Point/Range:</b>	Not available
<b>Viscosity:</b>	Not applicable	<b>Melting Point:</b>	Not available
<b><u>VOC % by volume:</u></b>	73.33 ± 2 %	<b><u>VOC % by weight:</u></b>	64.59 ± 2 %
<b><u>VOC weight per gallon:</u></b>	7.85 ± 0.2 %	<b><u>VOC as supplied:</u></b>	4.8365 pounds per gallon

### Section 10: Stability and Reactivity

**Chemical Stability:** Stable at normal room temperature.

**Conditions to Avoid:** Do not use in conditions of extreme heat or near open flames.

**Incompatible Materials:** Incompatible with strong oxidizing agents.

**Hazardous Decomposition Products:** Not applicable

**Possibility of Hazardous Reactions:** Not applicable



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### Section 11: Toxicological Information

#### Acute Toxicity Data

<u>Ingredient</u>	<u>LD<sub>50</sub> Oral</u> (mg/kg)	<u>LD<sub>50</sub> Dermal</u> (mg/kg)	<u>LC<sub>50</sub> Inhalation</u> (4 hrs.)
2-Propanol	4 720 (rat)	12 890 (rabbit)	17 000 ppm (rat)

Acute toxicity data is not available for the liquid preparations inside the markers. The liquid contains substances which are considered irritants in contact with eyes and skin and vapors may cause drowsiness and dizziness. Exposure to irritating and harmful substances by the user is not expected when the marker is used for its intended purpose.

#### Other Toxicity Data

##### **Carcinogenicity:**

The component 2-Propanol is listed by IARC (International Agency for Research on Cancer) in Group 3, Not classifiable as to its carcinogenicity to humans, and by ACGIH (American Conference of Governmental Industrial Hygienists) as A4, Not Classifiable as a Human Carcinogen. Normal use of the markers is not expected to pose the risk of exposure to carcinogenic substances.

##### **Irritation:**

Normal use of marker will not result in harmful effects. High concentrations of vapors may cause irritation to the eyes. Liquid may cause irritation in contact with eyes and skin.

##### **Corrosivity:**

Not applicable

##### **Sensitization:**

Not applicable

##### **Neurological Effects:**

Not applicable with normal use of the marker.

##### **Genetic Effects:**

Not applicable with normal use of the marker.

##### **Reproductive Effects:**

Not applicable with normal use of the marker.

##### **Developmental Effects:**

Not applicable with normal use of the marker.

##### **Target Organ Effects:**

Not applicable with normal use of the marker.

### Section 12: Ecological Information

**Ecotoxicity:** Not available

**Persistence/Degradability:** Not available

**Bioaccumulation/Accumulation:** Not available

**Mobility:** Not available

### Section 13: Disposal Considerations

#### **Waste Disposal Method:**

Do NOT dump into any sewers, on the ground or into any body of water. Store material for disposal as indicated in Section 7 Handling and Storage.  
The conditions of use, storage and disposal of this product are beyond our control and may be beyond our knowledge. For this and other reasons, LA-CO Industries, Inc. does not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product.

#### **USA:**

Dispose of in accordance with local, state and federal laws and regulations.

#### **Canada:**

Dispose of in accordance with local, provincial and federal laws and regulations.

#### **EC:**

Waste must be disposed of in accordance with relevant EC Directives and national, regional and local environmental control regulations. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.



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### Section 14: Transport Information:

U.S. Hazardous Materials Regulation (DOT 49CFR):	Not regulated, this product conforms to small quantity exception of DOT 49CFR173.4.
Canadian Transportation of Dangerous Goods (TDG):	Not regulated
ADR/RID:	Not regulated
IMDG:	Not regulated
Marine Pollutants:	Not applicable
ICAO/IATA:	Not regulated

### Section 15: Regulatory Information

#### USA

**TSCA Status:** All component substances are listed on the TSCA inventory.

**SARA Title III**

Sec. 302/304: None

Sec. 311/312: Flammable

Sec. 313: 2-Propanol

CERCLA RQ: Not applicable

**California Prop 65:** This product contains the following chemicals known to the State of California to cause cancer: Carbon Black\*.  
\*As sold, this product does not contain Carbon Black as airborne, or unbound particles of respirable size.  
\* Carbon black present in black marker only.

**State Right-to-Know Lists :** 2-Propanol and Carbon Black\* can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.  
\* Carbon black present in black marker only.

#### Canada

This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* and the MSDS contains all the information required by the *Controlled Products Regulations*.

**WHMIS Classification:** Not controlled. Product meets the definition of a "manufactured article" and is not subject to the regulations of the Hazardous Products Act.  
**(for workplace exposures)**

**New Substance Notification Regulations:** All component substances are listed on Canada's Domestic Substances List (DSL).

**NPRI Substances:** 2-Propanol is listed as an NPRI reportable substance.

**EC Classification for the Substance/Preparation**

**European Inventories:** All component substances are listed in EINECS.

**Symbol:** This product is not classified as dangerous according to Directive 1999/45/EC and its amendments.



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### Section 16: Other Information

**Full Text of R-phrases appearing in Section 2:**

R11: Highly Flammable  
R36: Irritating to eyes  
R67: Vapors may cause drowsiness and dizziness

**Preparation Information:**

**Prepared by:**

LEHDER Environmental Services Limited (519) 336-4101  
[www.lehder.com](http://www.lehder.com)

**Revision Date:**

November 17, 2008

**Revision Summary:**

August 30, 2005: Preparation Date  
November 20, 2006: Changed California Prop. 65 Statement.  
November 17, 2008: SDS template update.

**Disclaimer:**

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