

## SAFETY DATA SHEET

### Section 1: Product and Company Identification

**Product Name:** Dura Ink®

**Product Code:** DURA-INK® 200 – 96916 (red), 96917 (\*black), 96915 (blue), 96914 (green), 96540 (red carded), 96541 (\*black carded).  
DURA-INK® 10 – 96076 (\*black), 96077 (\*black carded).  
DURA-INK® 15 – 96022 (red), 96023 (\*black), 96025 (blue), 96026 (green), 96033 (\*black carded), 96068 (red carded).  
DURA-INK® 25 - 96222 (red), 96223 (\*black), 96233 (\*black carded) 96234 (red carded).  
DURA-INK® 55 – 96528 (red), 96529 (\*black), 96530 (blue), 96531 (green), 96532 (red carded), 96533 (\*black carded).  
[\*Black codes I-08 and later.]  
DURA-INK® 60 Red (96535)  
DURA-INK® 60 Black (96536)  
DURA-INK® 60 Blue (96537)  
DURA-INK® 60 Green (96538)

**Product Use:** Marker for cardboard, wood, metal, paper, ceramics, glass, leather and rubber.

**Supplier:** LA-CO Industries, Inc.  
1201 Pratt Boulevard  
Elk Grove Village, IL.  
60007-5746  
E-mail Contact: customer\_service@laco.com

**Phone Number:** (847) 956-7600  
**Fax:** (847) 956-9885  
**24-hour Emergency:** CHEMTREC: (800) 424-9300

### Section 2: Hazards Identification

**2.1 Classification of the substance or mixture according to GHS Classifications (UNECE 3<sup>rd</sup> Revised Edition):**

Not classified as a hazardous chemical.

**2.2 Label elements:**

No hazard classifications.

**2.3 Other hazards:**

The paint inside the marker (<10 mL) is a flammable liquid. Exposures to liquid and/or vapors from misuse of the product may cause eye irritation and/or drowsiness and dizziness. Contains a substance that may cause an allergic skin reaction. Contains a substance (<2.5%) that is suspected of causing genetic defects. Exposure to hazardous substances is not expected when handling this product for its intended use.

**2.4 Other hazard classifications:**

Marker meets the definition of an "article".

USA: This article is not considered a hazardous chemical by the OSHA Hazard Communication Standard 29 CFR 1910.1200 (2012).

Canada: This article is not a controlled product under WHMIS.

European Union (EU): This article is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.

### Section 3: Composition / Information on Ingredients

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Wt.%</u>	<u>GHS Classifications</u> according to UNECE 3 <sup>rd</sup> Revised Edition
n-Propanol	71-23-8	50 - 70	Flam. Liq. 2; H225 Eye Dam. 1; H318 STOT SE 3; H336
Ethanol	64-17-5	30 - 60	Flam. Liq. 2; H225
1-methoxypropan-2-ol	107-98-2	10 - 25	Flam. Liq. 3; H226 STOT SE 3; H336

## SAFETY DATA SHEET

### Section 3: Composition / Information on Ingredients, continued

n-butanol	71-36-3	7 - 13	Flam. Liq. 3; H226 Acute Tox. 4; H302 STOT SE 3; H335 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H336
Rosin acids	73138-82-6	7 - 13	Skin Sens. 1; H317
Isopropanol	67-63-0	1 - 5	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336
4-(phenylazo)benzene-1,3-diamine	495-54-5	1 – 2.5	Muta. 2; H341 Acute Tox. 4; H302 Skin Irrit. 2; H315 Aquatic Acute 1; H400 Aquatic Chronic 1; H410

### Section 4: First Aid Measures

#### 4.1 Description of first aid measures:

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

**Eye Contact:** No effects expected. If liquid paint contacts the eyes, rinse cautiously for several minutes while holding the eyelids open. Obtain medical attention.

**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:** No health effects expected. If swallowed, do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Obtain medical advice or call a POISON CENTER or doctor/physician.

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

Exposure to hazardous substances is not expected when handling this product for its intended use.

Liquid paint may cause serious eye irritation if in contact with the eyes.

Liquid paint may cause an allergic skin reaction in sensitive individuals.

Exposure to vapors from the paint may result from misuse of the marker. Breathing vapors may cause drowsiness and dizziness.

The component substance, 4-(phenylazo) benzene-1,3-diamine, present at between 1 and 2.5%, is classified in mutagenic category 2, suspected of causing genetic defects. Exposure to this substance is not expected with normal use of the marker.

### Section 5: Fire Fighting Measures

#### 5.1 Extinguishing media:

For small fires use dry chemicals, carbon dioxide, appropriate foam, or inert gas (nitrogen).

For large fires use appropriate foam, water fog, or water spray. Water can be used to cool fire-exposed containers.

#### 5.2 Special hazards arising from the substance:

Markers contain a small volume of paint which is a flammable liquid, category 2. Flashpoint 13°C (55°F).

#### 5.3 Advice for firefighters:

If involved in a fire, combustion may produce toxic and irritating fumes and gases including carbon dioxide, carbon monoxide and/or unburned hydrocarbons.

As for any fire, evacuate the area and fight the fire from a safe distance. Firefighters must wear full protective clothing and positive pressure self-contained breathing apparatus.

## SAFETY DATA SHEET

### Section 6: Accidental Release Measures

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

If large volumes of paint are released shut off or extinguish all sources of ignition. Do not breathe vapors. Ventilate the area.

#### 6.2 Environmental precautions:

Prevent the spilled liquid from entering sewers or waterways.

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

Stop the spill if it is safe to do so.

Absorb any spilled liquid using dry earth, sand or non-combustible absorbent material and transfer to appropriate covered and labeled waste containers.

#### 6.4 Additional Information:

See Section 8 for information on selection of personal protective equipment.

See Section 13 for information on disposal of spilled product and contaminated absorbents.

### Section 7: Handling and Storage

#### 7.1 Precautions for safe handling:

Keep out of reach of children.

Do not use near hot surfaces or flames.

Avoid contact with the liquid paint on skin.

#### 7.2 Conditions for safe storage, including any incompatibilities:

Store below 50°C. Store away from ignition sources, extreme heat and out of direct sunlight. Keep markers closed when not in use.

### Section 8: Exposure Controls/Personal Protection

#### 8.1 Control parameters:

##### Occupational Exposure Limits:

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.

#### 8.2 Exposure controls:

**Engineering Controls:** General ventilation is normally adequate.

**Personal Protection:** Workers must comply with the Personal Protective Equipment requirements of the workplace in which this product is handled.

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

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

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

**Other Protection:** Avoid breathing vapors. Keep out of reach of children.

## SAFETY DATA SHEET

### Section 9: Physical and Chemical Properties

#### 9.1 Information on basic physical and chemical properties:

<b>Appearance:</b>	Solid, containing liquid, colored paint.
<b>Odor:</b>	Mild odor of alcohol.
<b>Odor threshold:</b>	Not available
<b>pH:</b>	Not available
<b>Melting point/freezing point:</b>	Not available
<b>Initial boiling point and boiling range:</b>	78°C (172°F) (paint)
<b>Flash point:</b>	13°C (55°F)
<b>Flammability</b>	Paint contained in marker is a flammable liquid
<b>Auto-ignition temperature:</b>	287°C (548°F) (paint)
<b>Upper/lower flammability or explosive limits:</b>	Lower: 1.7 vol. %. Upper: 13.5vol. % (paint)
<b>Explosive properties:</b>	Not available
<b>Oxidizing properties:</b>	Not available
<b>Sensitivity to mechanical impact:</b>	Not available
<b>Sensitivity to static discharge:</b>	Not available
<b>Vapor pressure:</b>	19 hPa (paint)
<b>Evaporation rate:</b>	Not available
<b>Vapor density:</b>	Not available
<b>Relative density:</b>	Not available
<b>Solubility (is):</b>	Paint is partly miscible in water.
<b>Partition coefficient (n-octane/water):</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>Viscosity:</b>	3 mPas
<b>VOC Content:</b>	80% (paint)

### Section 10: Stability and Reactivity

#### 10.1 Reactivity:

Not classified for reactivity hazards.

#### 10.2 Chemical Stability:

Stable at normal ambient and anticipated storage and handling conditions of temperature and pressure.

#### 10.3 Possibility of Hazardous Reactions:

None known

#### 10.4 Conditions to Avoid:

Do not use in conditions of heat or near open flames and sparks. Avoid heating above 60°C.

#### 10.5 Incompatible Materials:

Paint is incompatible with strong oxidizing agents, such as chlorine and oxygen.

#### 10.6 Hazardous Decomposition Products:

None known when used for its intended purpose. Combustion may produce irritating and/or toxic gases.

### Section 11: Toxicological Information

#### 11.1 Information on toxicological effects:

##### Acute Health Effects:

**Inhalation:** This product does not easily form a vapor; inhalation exposure is unlikely to occur, unless the marker is misused. Exposures to high vapor concentrations may cause drowsiness and dizziness.

**Ingestion:** Not an expected route of exposure with normal use of the product.

**Skin:** Repeated contact with the skin may cause irritation.

**Eye:** Not an expected route of exposure with normal use of the product. Direct contact with the liquid paint may cause serious eye irritation.

**Acute Toxicity Data:** Acute toxicity data are not available for the mixture.

**SAFETY DATA SHEET****Section 11: Toxicological Information, continued****Chronic Health Effects:**

Data are not available.

**Sensitization:**

Data are not available for the paint mixture. Contains Rosin acids, a substance which may cause an allergic skin reaction.

**Neurological Effects:**

Not applicable with normal use of the marker.

**Genetic Effects:**

Data are not available for the paint mixture. Contains 4-(phenylazo)benzene-1,3-diamine, a substance which is suspected of causing genetic defects.

**Reproductive Effects:**

Not applicable

**Developmental Effects:**

Not applicable with normal use of the marker.

**Target Organ Effects:**

Not applicable

**Carcinogenicity:**

This product does not contain any component that is considered a human carcinogen by IARC (International Agency for Research on Cancer), ACGIH (American Conference of Governmental Industrial Hygienists, OSHA or NTP (National Toxicology Program).

**Medical Conditions Aggravated by Exposure:**

Repeated skin contact may aggravate an existing dermatitis.

**Interactions With Other Chemicals:**

Data are not available.

**Section 12: Ecological Information****12.1 Toxicity:**

Germany Water Hazard Classes: 1-methoxypropan-2-ol ID Number 1597, hazard class 1 - low hazard to waters.  
Isopropanol ID Number 135, hazard class 1 - low hazard to waters.

**12.2 Persistence and degradability:**

Not available

**12.3 Bioaccumulative potential:**

Not available

**12.4 Mobility in soil:**

Not available

**Section 13: Disposal Considerations****13.1 Waste treatment methods:**

Do NOT discard into any sewers, on the ground or into any body of water. Store material for disposal as indicated in Section 7 Handling and Storage. Dispose of in accordance with local, state/provincial and federal laws and regulations.

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.

## SAFETY DATA SHEET

### Section 14: Transport Information:

**Transport Regulations:**

**U.S. Hazardous Materials Regulation (DOT 49CFR):** Not regulated

**Canadian Transportation of Dangerous Goods (TDG):** Not regulated

**IMO Classification:** Not regulated

**ICAO/IATA Classification:** Not regulated

### Section 15: Regulatory Information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**USA**

**OSHA:** Article, Non-Hazardous according to OSHA Hazard Communication Standard 29 CFR 1910.120 (2012).

**SARA Title III**

Sec. 302/304: None  
 Sec. 311/312: Flammable; Delayed health effects  
 Sec. 313: Isopropanol  
 CERCLA RQ: None

**California Prop 65:** Not applicable

**State Right-to-Know:** n-Propanol, Ethanol, Isopropanol and 1-methoxypropan-2-ol can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, and Massachusetts.

**Canada**

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

**WHMIS Classification:** Manufactured article, Not controlled

**Europe**

This article is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.

### Section 16: Other Information

**Text of H-phrases in Section 3:**

H225: Highly flammable liquid and vapour.  
 H226: Flammable liquid and vapour.  
 H302: Harmful if swallowed.  
 H315: Causes skin irritation.  
 H317: May cause an allergic skin reaction.  
 H318: Causes serious eye damage.  
 H319: Causes serious eye irritation.  
 H335: May cause respiratory irritation.  
 H336: May cause drowsiness or dizziness.  
 H341: Suspected of causing genetic defects.  
 H400: Very toxic to aquatic life.  
 H410: Very toxic to aquatic life with long lasting effects.

## SAFETY DATA SHEET

**Preparation Information:****Revision date:** February 15, 2013**References and sources for data:**CCOHS – ChemInfo  
European Commission Joint Research Centre IHCP, European Chemical Substances Information System (ESIS).**Legend to abbreviations:**ACGIH – American Conference of Governmental Industrial Hygienists  
GHS- Globally Harmonised System for Classification and Labeling  
IARC – International Agency for Research on Cancer  
LD50- Median lethal dose; the dose causing 50 % lethality  
LEV- Local exhaust ventilation  
OSHA – United States, Occupational Safety and Health Administration  
STEL – Short term exposure limit  
TWA – Time weighted average  
TLV - Threshold Limit Value  
NTP – National Toxicology Program  
WHMIS – Canada, Workplace Hazardous Materials Information System**Supplier Note:**

The information contained herein is based on data available to us and is accurate and reliable to the best of our knowledge and belief. However, LA-CO Industries, Inc. makes no representations as to its completeness or accuracy. Information is supplied on condition that persons receiving such information will make their own determination as to its suitability for their purposes prior to use. In no event will LA-CO Industries, Inc. be responsible for damages of any nature whatsoever resulting from the use of or reliance upon the information contained herein.

**Prepared by:**LEHDER Environmental Services Limited (519) 336-4101  
www.lehder.com

While LEHDER Environmental Services Limited believes that the data set forth herein is accurate, as of the date hereof, LEHDER makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data is offered solely for your consideration, investigation and verification.