SECTION 1: Identification

1.1. Identification
Product form: Mixture
Product name: TRADES-MARKER®
Synonyms: TRADES-MARKER® Black, Yellow, Red, White, Orange

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture: Marking
Restrictions on use: No additional information available

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: Hazard(s) identification

2.1. Classification of the substance or mixture
GHS-US classification
Not classified

2.2. Label elements
GHS-US labelling
No labelling applicable

2.3. Other hazards
No additional information available

2.4. Unknown acute toxicity (GHS US)
15% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
15% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
15% 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

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>titanium dioxide</td>
<td>(CAS No) 13463-67-7</td>
<td>40 White</td>
<td>Not classified</td>
</tr>
<tr>
<td>substance with OEL values</td>
<td></td>
<td>5 Red</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>15 Yellow</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>10 Orange</td>
<td></td>
</tr>
<tr>
<td>Carbon black</td>
<td>(CAS No) 1333-86-4</td>
<td>40 Black</td>
<td>Carc. 2, H351</td>
</tr>
<tr>
<td>Kaolin</td>
<td>(CAS No) 1322-58-7</td>
<td>25 Yellow, Orange</td>
<td>Not classified</td>
</tr>
<tr>
<td>substance with OEL values</td>
<td></td>
<td>10 Red</td>
<td></td>
</tr>
<tr>
<td>Paraffin waxes and Hydrocarbon waxes</td>
<td>(CAS No) 8002-74-2</td>
<td>15</td>
<td>Not classified</td>
</tr>
<tr>
<td>substance with OEL values</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silica gel</td>
<td>(CAS No) 112926-00-8</td>
<td>0 – 1 Orange</td>
<td>Not classified</td>
</tr>
<tr>
<td>substance with OEL values</td>
<td></td>
<td>0 – 1.5 Yellow</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0 – 0.5 Red</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0 – 4 White</td>
<td></td>
</tr>
</tbody>
</table>

Full text of hazard classes and H-statements : see section 16
SECTION 4: First aid measures

4.1. Description of first aid measures
First-aid measures general : Not expected to require first aid measures.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Gently 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 : 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 : Inhalation of vapours 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 : Burning produces irritating, toxic and noxious fumes.
Explosion hazard : Product is not explosive.
Reactivity : No dangerous reactions known.

5.3. Advice for firefighters
Firefighting instructions : Cool adjacent structures and containers with water spray to protect and prevent ignition.
Protection during firefighting : Wear a self contained breathing apparatus. Wear fire/flame resistant/retardant clothing.

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
Protective equipment : Refer to section 8.2.
Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders
Protective equipment : Refer to section 8.2.
Emergency procedures : Ventilate area.

6.2. Environmental precautions
Avoid release to the environment.

6.3. Methods and material for containment and cleaning up
For containment : Avoid generating dust. Contain and collect as any solid.
Methods for cleaning up : On land, sweep or shovel into suitable containers.

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 : Avoid creating or spreading dust. Handle in accordance with good industrial hygiene and safety procedures.
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
Storage conditions : Keep container closed when not in use.
Incompatible products : Strong oxidizers.
Storage area : Store in dry, cool, well-ventilated area.
SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>TRADES-MARKER®</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
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<td>ACGIH</td>
<td>Not applicable</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td>Not applicable</td>
<td></td>
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<td></td>
</tr>
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</table>

**Paraffin waxes and Hydrocarbon waxes (8002-74-2)**

<table>
<thead>
<tr>
<th>TRADES-MARKER®</th>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>ACGIH TWA (mg/m³)</td>
<td>2 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>Remark (ACGIH)</td>
<td>URT irr; nausea</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td>Not applicable</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canada (Quebec)</td>
<td>VEMP (mg/m³)</td>
<td>2 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Silica gel (112926-00-8)**

<table>
<thead>
<tr>
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<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>Not applicable</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>80 mg/m³</td>
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</tr>
<tr>
<td>OSHA</td>
<td>OSHA PEL (TWA) (ppm)</td>
<td>20 ppm</td>
<td></td>
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</tr>
<tr>
<td>OSHA</td>
<td>Remark (OSHA)</td>
<td>(3) See Table Z-3.</td>
<td></td>
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</tr>
<tr>
<td>Canada (Quebec)</td>
<td>VEMP (mg/m³)</td>
<td>6 mg/m³</td>
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<td></td>
</tr>
<tr>
<td>Canada (Quebec)</td>
<td>Notations and remarks</td>
<td>(la poussière respirable)</td>
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</table>

**Titanium dioxide (13463-67-7)**

<table>
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<tr>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>ACGIH TWA (mg/m³)</td>
<td>1 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>Remark (ACGIH)</td>
<td>LRT irr; A3</td>
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</tr>
<tr>
<td>OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>15 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canada (Quebec)</td>
<td>VEMP (mg/m³)</td>
<td>10 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canada (Quebec)</td>
<td>Notations and remarks</td>
<td>(la poussière totale), (note1)</td>
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</table>

**Kaolin (1332-58-7)**

<table>
<thead>
<tr>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>ACGIH TWA (mg/m³)</td>
<td>2 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>Remark (ACGIH)</td>
<td>Pneumoconiosis</td>
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<td></td>
</tr>
<tr>
<td>OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>15 mg/m³ (total dust)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canada (Quebec)</td>
<td>VEMP (mg/m³)</td>
<td>10 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canada (Quebec)</td>
<td>Notations and remarks</td>
<td>(poussière total, note1)</td>
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</tr>
</tbody>
</table>

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

<table>
<thead>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>ACGIH TWA (mg/m³)</td>
<td>3 mg/m³</td>
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<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>Remark (ACGIH)</td>
<td>Bronchitis</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>3.5 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canada (Quebec)</td>
<td>VEMP (mg/m³)</td>
<td>10 mg/m³ (Fibres de carbone et de graphite; Poussière totale)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 mg/m³ (Fibres de carbone et de graphite; Poussière respirable)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>3.5 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8.2. Exposure controls

**Appropriate engineering controls**
- Avoid dispersal of dust in the air (ie, clearing dust surfaces with compressed air). Ensure good ventilation of the work station.

**Personal protective equipment**
- Avoid all unnecessary exposure.

**Hand protection**
- None under normal use.

**Eye protection**
- None under normal use.

**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
Odour threshold : No data available
pH : No data available
Melting point : 50 - 65 °C
Freezing point : No data available
Boiling point : No data available
Flash point : No data available
Relative evaporation rate (butylacetate=1) : 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 : > 1
Solubility : insoluble in water.
Log Pow : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive limits : No data available
Explosive properties : No data available
Oxidising properties : 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 will not occur.

10.4. Conditions to avoid
Avoid creating or spreading dust.

10.5. Incompatible materials
Strong oxidizers.

10.6. Hazardous decomposition products
None under normal use.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Likely routes of exposure : Skin and eye contact
Acute toxicity : Not classified

<table>
<thead>
<tr>
<th>Substances</th>
<th>LD50 oral rat</th>
<th>LD50 dermal rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paraffin waxes and Hydrocarbon waxes (8002-74-2)</td>
<td>&gt; 5000 mg/kg</td>
<td>&gt; 2000 mg/kg</td>
</tr>
</tbody>
</table>
TRADES-MARKER®
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations, Canada HPR

Silica gel (112926-00-8)
LD50 oral rat > 22500 mg/kg
LD50 oral rat > 5000 mg/kg
LC50 inhalation rat (mg/l) > 6.82 mg/l/4h

Titanium dioxide (13463-67-7)
LD50 oral rat > 22500 mg/kg
LC50 inhalation rat (mg/l) > 5000 mg/kg

Carbon black (1333-86-4)
LD50 oral rat > 8000 mg/kg
LC50 inhalation rat (mg/l) > 4.6 mg/m³ 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.

Titanium dioxide (13463-67-7)
NOAEL (chronic, oral, animal/male, 2 years) 5 mg/kg bodyweight rat
IARC group 2B - Possibly carcinogenic to humans, Inhalation of dust

Carbon black (1333-86-4)
IARC group 2B - Possibly carcinogenic to humans, Inhalation of dust

Reproductive toxicity : Not classified
Specific target organ toxicity (single exposure) : Not classified
Specific target organ toxicity (repeated exposure) : Not classified
Aspiration hazard : Not classified
Symptoms/injuries after inhalation : Inhalation of vapours may cause respiratory irritation.

SECTION 12: Ecological information

12.1. Toxicity
Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Paraffin waxes and Hydrocarbon waxes (8002-74-2)
LC50 fish 1 > 1000 mg/l
Silica gel (112926-00-8)
LC50 fish 1 > 10000 mg/l 96 h
Kaolin (1332-58-7)
LC50 fish 1 > 1000 mg/l 96 h
EC50 Daphnia 1 > 1000 mg/l 48 h

12.2. Persistence and degradability
TRADES-MARKER®
Persistence and degradability Not established.

Kaolin (1332-58-7)
Persistence and degradability Not readily biodegradable.

Carbon black (1333-86-4)
Persistence and degradability Not readily biodegradable.

12.3. Bioaccumulative potential
TRADES-MARKER®
Bioaccumulative potential Not established.

12.4. Mobility in soil
TRADES-MARKER®
Ecology - soil No additional information available.
12.5. Other adverse effects
Other information: 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 US-DOT 49-CFR and the HMR / TDG / ADR / IMDG / ICAO / IATA
In accordance with DOT
Not regulated.

TDG
Not regulated.

Transport by sea
Not regulated.

Air transport
Not regulated.

SECTION 15: Regulatory information

15.1. US Federal regulations
All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

National regulations
TRADES-MARKER®
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)

15.3. US State regulations

TRADES-MARKER®
State or local regulations
California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer, developmental and/or reproductive harm

The titanium dioxide in this product is bound and is not respirable.
The carbon black in this product is bound and is not respirable.
California Prop. 65 warnings are not required.

Carbon black (1333-86-4)

<table>
<thead>
<tr>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Developmental Toxicity</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</th>
<th>Non-significant risk level (NSRL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Paraffin waxes and Hydrocarbon waxes (8002-74-2)

<table>
<thead>
<tr>
<th>U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations</th>
<th>U.S. - New Jersey - Right to Know Hazardous Substance List</th>
</tr>
</thead>
</table>

Silica gel (112926-00-8)

<table>
<thead>
<tr>
<th>U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations</th>
<th>U.S. - New Jersey - Right to Know Hazardous Substance List</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**SECTION 16: Other information**


Other information: None.

Full text of H-statements:

| H351 | Suspected of causing cancer |

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 Weighted Average
- TSCA: Toxic Substances Control Act

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.

SDS Prepared by: The Redstone Group, LLC
6077 Frantz Rd.
Suite 206
Dublin, OH USA 43016
T 614-923-7472
www.redstonegrp.com

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.