

# ALL-WEATHER® PAINTSTIK® LIVESTOCK MARKER Red; HC ALL-WEATHER® PAINTSTIK® LIVESTOCK MARKER Red

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)  
Date of issue: 11/03/2015

Version: 1.0

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

### 1.1. Product identifier

Product form : Mixture  
Product name : ALL-WEATHER® PAINTSTIK® LIVESTOCK MARKER Red; HC ALL-WEATHER® PAINTSTIK® LIVESTOCK MARKER Red

### 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

Aquatic Chronic 3 H412

Full text of hazard classes and H-statements : see section 16

### 2.2. Label elements

#### GHS-US labelling

Hazard statements (GHS-US) : H412 - Harmful to aquatic life with long lasting effects  
Precautionary statements (GHS-US) : P273 - Avoid release to the environment  
P501 - Dispose of contents/container to an authorised waste collection point

### 2.3. Other hazards

### 2.4. Unknown acute toxicity (GHS US)

2.84 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)  
2.84 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)  
2.84 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
Silicon dioxide (cristobalite)	(CAS No) 14808-60-7	0 – 0.97 : Red 0 – 0.9 : HC Red	Carc. 1A, H350
Calcium lithol red, C.I. pigment red 49:02:00	(CAS No) 1103-39-5	0.69 : Red 0.99 : HC Red	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
cobalt bis(2-ethylhexanoate)	(CAS No) 136-52-7	0 – 0.05	Eye Irrit. 2A, H319 Skin Sens. 1A, H317 Repr. 2, H361 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Iron oxide red	(CAS No) 1309-37-1	0.01 – 0.05 : HC Red 0.01 – 0.03 : Red	Aquatic Chronic 2, H411

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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.
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact	: 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	: Get medical advice/attention if you feel unwell.

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

Symptoms/injuries after inhalation	: Inhalation may cause: irritation, coughing, shortness of breath.
Symptoms/injuries after eye contact	: May cause slight irritation.
Symptoms/injuries after ingestion	: Large amounts: Diarrhea. Nausea.

#### 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	: No specific fire or explosion hazard.
Reactivity	: No dangerous reactions known.

#### 5.3. Advice for firefighters

Firefighting instructions	: Keep upwind.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus. Wear fire/flammable resistant/retardant clothing.

### SECTION 6: Accidental release measures

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

General measures	: Avoid contact with skin and eyes.
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##### 6.1.1. For non-emergency personnel

Protective equipment	: Wear suitable gloves.
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##### 6.1.2. For emergency responders

Protective equipment	: Wear suitable gloves.
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#### 6.2. Environmental precautions

Avoid release to the environment.

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

For containment	: 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 7: safe handling. Section 8: personal protective equipment.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling	: Avoid breathing dust.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

Incompatible products	: Oxidizer.
Heat and ignition sources	: Keep away from heat, sparks and flame.
Prohibitions on mixed storage	: 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

ALL-WEATHER® PAINTSTIK® LIVESTOCK MARKER Red; HC ALL-WEATHER® PAINTSTIK® LIVESTOCK MARKER Red		
ACGIH	Not applicable	
OSHA	Not applicable	
cobalt bis(2-ethylhexanoate) (136-52-7)		
ACGIH	Not applicable	
OSHA	Not applicable	
Silicon dioxide (cristobalite) (14808-60-7)		
ACGIH	ACGIH TWA (mg/m³)	0.025 mg/m³
ACGIH	Remark (ACGIH)	(respirable dust)
OSHA	OSHA PEL (TWA) (ppm)	250 mppcf
OSHA	Remark (OSHA)	(3) See Table Z-3.
Canada (Quebec)	VEMP (mg/m³)	0.1 mg/m³
Canada (Quebec)	Notations and remarks	(la poussière respirable), (C2)
Iron oxide red (1309-37-1)		
ACGIH	ACGIH TWA (mg/m³)	5 mg/m³
ACGIH	Remark (ACGIH)	Pneumoconiosis
OSHA	OSHA PEL (TWA) (mg/m³)	10 mg/m³
Canada (Quebec)	VEMP (mg/m³)	5 mg/m³ (Fer, trioxyde de, fumées et poussières (exprimée en Fe)) 10 mg/m³ (Rouge)
Calcium lithol red, C.I. pigment red 49:02:00 (1103-39-5)		
ACGIH	Not applicable	
OSHA	Not applicable	

### 8.2. Exposure controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Use rubber gloves.
Eye protection	: Chemical goggles or safety glasses.
Respiratory protection	: None under normal use.
Environmental exposure controls	: Prevent leakage or spillage.
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	: Green.
Odour	: Slight, vegetable oil.
Odour threshold	: No data available
pH	: No data available

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Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: 66 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 204 °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	: > 1
Solubility	: insoluble in water.
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 : 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 may occur.

### 10.4. Conditions to avoid

Heat.

### 10.5. Incompatible materials

Oxidizer.

### 10.6. Hazardous decomposition products

Aldehydes.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

cobalt bis(2-ethylhexanoate) (136-52-7)	
LD50 oral rat	3129 (1750 - 5000) mg/l
LD50 dermal rat	> 2000 mg/kg

Iron oxide red (1309-37-1)	
LD50 oral rat	> 10000 mg/kg

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.

Silicon dioxide (cristobalite) (14808-60-7)	
IARC group	1 - Carcinogenic to humans, Inhalation of dust
Iron oxide red (1309-37-1)	
IARC group	3 - Not classifiable

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Iron oxide red (1309-37-1)	
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
Aspiration hazard	: Not classified
Potential adverse human health effects and symptoms	
Symptoms/injuries after inhalation	: Inhalation may cause: irritation, coughing, shortness of breath.
Symptoms/injuries after eye contact	: May cause slight irritation.
Symptoms/injuries after ingestion	: Large amounts: Diarrhea. Nausea.
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.

cobalt bis(2-ethylhexanoate) (136-52-7)	
LC50 fish 1	275 mg/l 96 h
EC50 Daphnia 1	0.441 mg/l 48 h
LOEC (chronic)	0.43 mg/l 34 days read-across cobalt dichloride
NOEC (chronic)	0.21 mg/l 34 days read-across cobalt dichloride
Iron oxide red (1309-37-1)	
EC50 Daphnia 1	> 100 mg/l
Calcium lithol red, C.I. pigment red 49:02:00 (1103-39-5)	
LC50 fish 1	0.105 (0.105 - 1.866497) mg/l

### 12.2. Persistence and degradability

ALL-WEATHER® PAINTSTIK® LIVESTOCK MARKER Red; HC ALL-WEATHER® PAINTSTIK® LIVESTOCK MARKER Red	
Persistence and degradability	May cause long-term adverse effects in the environment.
cobalt bis(2-ethylhexanoate) (136-52-7)	
Persistence and degradability	Readily biodegradable.
Calcium lithol red, C.I. pigment red 49:02:00 (1103-39-5)	
Persistence and degradability	Product persists.

### 12.3. Bioaccumulative potential

cobalt bis(2-ethylhexanoate) (136-52-7)	
BCF fish 1	2300 (2300 - 3900)
Calcium lithol red, C.I. pigment red 49:02:00 (1103-39-5)	
Log Kow	5.52
Bioaccumulative potential	Expected to bioaccumulate.

### 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  
Not considered a dangerous good for transport regulations  
Proper Shipping Name (ADR) : Not applicable  
Transport hazard class(es) (ADR) :

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### Transport by sea

Transport hazard class(es) (IMDG) :

### Air transport

Transport hazard class(es) (IATA) :

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### cobalt bis(2-ethylhexanoate) (136-52-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### Silicon dioxide (cristobalite) (14808-60-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### Iron oxide red (1309-37-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### Calcium lithol red, C.I. pigment red 49:02:00 (1103-39-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. International regulations

#### CANADA

#### cobalt bis(2-ethylhexanoate) (136-52-7)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### Silicon dioxide (cristobalite) (14808-60-7)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### Iron oxide red (1309-37-1)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### Calcium lithol red, C.I. pigment red 49:02:00 (1103-39-5)

Listed on the Canadian DSL (Domestic Substances List) inventory.

### EU-Regulations

#### cobalt bis(2-ethylhexanoate) (136-52-7)

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

#### Silicon dioxide (cristobalite) (14808-60-7)

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

#### Iron oxide red (1309-37-1)

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

#### Calcium lithol red, C.I. pigment red 49:02:00 (1103-39-5)

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

### National regulations

#### ALL-WEATHER® PAINTSTIK® LIVESTOCK MARKER Red; HC ALL-WEATHER® PAINTSTIK® LIVESTOCK MARKER Red

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).

All ingredients are listed on the Canadian Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL).

### 15.3. US State regulations

#### Silicon dioxide (cristobalite) (14808-60-7)

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

#### Iron oxide red (1309-37-1)

U.S. - Minnesota - Hazardous Substance List

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

## SECTION 16: Other information

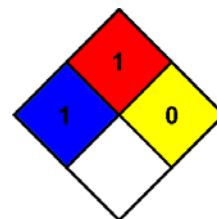
Indication of changes : Original Document.

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Data sources	: ACGIH (American Conference of Government Industrial Hygienists). European Chemicals Agency (ECHA) C&L Inventory database. Accessed at <a href="http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database">http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database</a> . Kristen 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 <a href="http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html">http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html</a> .
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:

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Carc. 1A	Carcinogenicity, Category 1A
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Repr. 2	Reproductive toxicity, Category 2
Skin Sens. 1A	Sensitisation — Skin, category 1A
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H350	May cause cancer
H361	Suspected of damaging fertility or the unborn child
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

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