LA-CO Industries, Inc.

# Security Check Paint Marker

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations, Canada Hazardous Products Regulations (HPR) / Règlement sur les produits dangereux (RPD)
Issue date: 10/7/2015 Revision date: 5/27/2021 Supersedes: 9/10/2019 Version: 6.0

## SECTION 1: Identification

### 1.1. Identification

Product form : Mixture
Product name : Security Check Paint Marker

### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Marking.
Restrictions on use : Any use not specified

### 1.3. Supplier

LA-CO Industries
1201 Pratt Blvd.
Elk Grove Village, IL, 60007-5746
US
T 847-956-7600 - F 847-956-9885
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;
全国应急中心 0532 8388 9090

## SECTION 2: Hazard(s) identification

### 2.1. Classification of the substance or mixture

**GHS classification**

| | | |
|---|---|---|
| Flammable liquids, Category 3 | H226 | Flammable liquid and vapour. |
| Specific target organ toxicity — Single exposure, Category 3, Narcosis | H336 | May cause drowsiness or dizziness. |

Full text of H-statements: see section 16

### 2.2. GHS Label elements, including precautionary statements

**GHS labelling**

Hazard pictograms (GHS) :

Signal word (GHS) : Warning
Hazard statements (GHS) : H226 - Flammable liquid and vapour.
H336 - May cause drowsiness or dizziness.
Precautionary statements (GHS) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment
P241 - Use explosion-proof electrical/ventilating/lighting equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.
P312 - Call a poison center/doctor if you feel unwell
P370+P378 - In case of fire: Use media other than water to extinguish.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards which do not result in classification

No data available

### 2.4. Unknown acute toxicity (GHS)

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name | Product identifier | % | GHS classification |
|---|---|---|---|
| Butyl acetate | CAS-No.: 123-86-4 | 20 - 40 | Flam. Liq. 3, H226<br>STOT SE 3, H336 |
| Titanium dioxide | CAS-No.: 13463-67-7 | 0 - 10 | Carc. 2, H351 |
| Carbon black | CAS-No.: 1333-86-4 | 0 - 1 | Carc. 2, H351 |
| N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) | CAS-No.: 123-26-2 | 0.1 - 0.5 | Skin Sens. 1B, H317<br>Aquatic Chronic 3, H412 |

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

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 : Never give anything by mouth to an unconscious person.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

First-aid measures after skin contact : Wash skin thoroughly with mild soap and water. Take off contaminated clothing and wash it before reuse.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion : Get medical advice/attention. Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : May cause drowsiness or dizziness. Inhalation of vapours may cause respiratory irritation.

Symptoms/effects after skin contact : Repeated exposure may cause skin dryness or cracking.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media : None known.

### 5.2. Specific hazards arising from the chemical

Fire hazard : Flammable liquid and vapour. Burning produces irritating, toxic and noxious fumes. Flammable vapours may accumulate in the container. Heavier than air, vapours may travel long distances along ground, ignite and flash back to source.

Explosion hazard : May form flammable/explosive vapour-air mixture. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Use water spray or fog for cooling exposed containers.

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 : Large amounts: Wear suitable protective clothing and gloves. Chemical goggles or safety glasses.

Emergency procedures : Evacuate area.

#### 6.1.2. For emergency responders

Protective equipment : Large amounts: Wear suitable protective clothing and gloves, Chemical goggles or safety glasses.

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 : Stop leak if safe to do so. Do not allow minor leaks or spills to accumulate on walking surfaces.

Methods for cleaning up : Absorb and/or contain spill with inert material, then place in suitable container. Following recovery, flush area with water. Clean surface thoroughly to remove residual contamination.

### 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 : Always wash your hands immediately after handling this product, and once again before leaving the workplace. Do not eat, drink or smoke when using this product.

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

Storage conditions : Keep container tightly closed.

Incompatible products : Strong acids. Strong bases. Strong oxidizers.

Incompatible materials : Heat sources. Direct sunlight.

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. Keep out of direct sunlight. Keep out of reach of children.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| **Security Check Paint Marker** | |
|---|---|
| No data available | |

| **Butyl acetate (123-86-4)** | |
|---|---|
| **USA - ACGIH - Occupational Exposure Limits** | |
| Local name | n-Butyl acetate |
| ACGIH TWA (mg/m³) | 713 mg/m³ |
| ACGIH OEL TWA [ppm] | 50 ppm |

| **Butyl acetate (123-86-4)** | |
|---|---|
| ACGIH STEL (mg/m³) | 950 mg/m³ |
| ACGIH OEL STEL [ppm] | 150 ppm |
| Remark (ACGIH) | TLV® Basis: Eye & URT irr |
| Regulatory reference | ACGIH 2021 |
| **USA - OSHA - Occupational Exposure Limits** | |
| Local name | n-Butyl-acetate |
| OSHA PEL TWA [1] | 710 mg/m³ |
| OSHA PEL TWA [2] | 150 ppm |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |
| **USA - NIOSH - Occupational Exposure Limits** | |
| NIOSH REL TWA | 710 mg/m³ |
| NIOSH REL TWA [ppm] | 150 ppm |
| NIOSH REL STEL | 950 mg/m³ |
| NIOSH REL STEL [ppm] | 200 ppm |

| **N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) (123-26-2)** |
|---|
| No data available |

| **Titanium dioxide (13463-67-7)** | |
|---|---|
| **USA - ACGIH - Occupational Exposure Limits** | |
| Local name | Titanium dioxide |
| ACGIH TWA (mg/m³) | 10 mg/m³ |
| Remark (ACGIH) | TLV® Basis: LRT irr. Notations: A4 (Not classifiable as a Human Carcinogen) |
| Regulatory reference | ACGIH 2021 |
| **USA - OSHA - Occupational Exposure Limits** | |
| Local name | Titanium dioxide (Total dust) |
| OSHA PEL TWA [1] | 15 mg/m³ |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |

| **Carbon black (1333-86-4)** | |
|---|---|
| **USA - ACGIH - Occupational Exposure Limits** | |
| Local name | Carbon black |
| ACGIH TWA (mg/m³) | 3 mg/m³ (I - Inhalable particulate matter) |
| Remark (ACGIH) | TLV® Basis: Bronchitis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans) |
| Regulatory reference | ACGIH 2021 |
| **USA - OSHA - Occupational Exposure Limits** | |
| Local name | Carbon black |
| OSHA PEL TWA [1] | 3.5 mg/m³ |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |

| Carbon black (1333-86-4) | |
|---|---|
| **USA - NIOSH - Occupational Exposure Limits** | |
| NIOSH REL TWA | 3.5 mg/m³ |
| NIOSH REL STEL | 0.1 mg/m³ |

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

### 8.3. Individual protection measures/Personal protective equipment

**Personal protective equipment:**

Avoid all unnecessary exposure.

| **Hand protection:** |
|---|
| In case of repeated or prolonged contact wear gloves. Butyl rubber gloves. short term. nitrile rubber gloves |

| **Eye protection:** |
|---|
| None under normal use |

| **Respiratory protection:** |
|---|
| In case of inadequate ventilation wear respiratory protection. Approved organic vapour respirator |

**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 | : | Solvent |
| Odour threshold | : | No data available |
| pH | : | No data available |
| Melting point | : | No data available |
| Freezing point | : | 21 – 55 °C |
| Boiling point | : | > 35 °C |
| Flash point | : | 27.5 °C |
| Relative evaporation rate (butylacetate=1) | : | No data available |
| Flammability (solid, gas) | : | Flammable liquid and vapour. |
| Vapour pressure | : | < 110 kPa |
| Relative vapour density at 20 °C | : | No data available |
| Relative density | : | No data available |
| 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 | : | Lower explosive limit (LEL): 1.2 vol %<br>Upper explosive limit (UEL): 7.5 vol % |
| Explosive properties | : | No data available |
| Oxidising properties | : | No data available |

### 9.2. Other information

VOC content : ≈ 50 %

## 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

Open flame. Overheating. Direct sunlight. Heat. Sparks.

### 10.5. Incompatible materials

Strong bases. Strong oxidizers. Strong acids.

### 10.6. Hazardous decomposition products

May release flammable gases. Burning produces irritating, toxic and noxious fumes.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

| **Butyl acetate (123-86-4)** | |
|---|---|
| LD50 Oral rat | 10760 mg/kg |
| LD50 Dermal rabbit | > 14112 mg/kg |
| LC50 Inhalation rat | > 21 mg/l/4h |
| ATE (oral) | 10760 mg/kg bodyweight |

| **N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) (123-26-2)** | |
|---|---|
| LD50 Oral rat | > 2000 mg/kg |

| **Titanium dioxide (13463-67-7)** | |
|---|---|
| LD50 Oral rat | > 5000 mg/kg |
| LC50 Inhalation rat | > 6.82 mg/l/4h |

| **Carbon black (1333-86-4)** | |
|---|---|
| LD50 Oral rat | > 8000 mg/kg |
| LC50 Inhalation rat | > 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. (The chemicals used are not available in the physical form known to cause cancer.)

| **Titanium dioxide (13463-67-7)** | |
|---|---|
| NOAEL (chronic, oral, animal/male, 2 years) | 5 mg/kg bodyweight rat |
| Additional data | Carcinogen, cat 1A or 1B<br>Inhalation of dust |
| IARC group | 2B - Possibly carcinogenic to humans |

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

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

Reproductive toxicity : Not classified

STOT-single exposure : May cause drowsiness or dizziness.

| Butyl acetate (123-86-4) | |
|---|---|
| STOT-single exposure | May cause drowsiness or dizziness. |

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Viscosity, kinematic : No data available

Likely routes of exposure : Inhalation. Skin and eye contact.

Symptoms/effects after inhalation : May cause drowsiness or dizziness. Inhalation of vapours may cause respiratory irritation.

Symptoms/effects after skin contact : Repeated exposure may cause skin dryness or cracking.

Other information : No data available.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : No ecotoxicological data about this product are known.

### 12.2. Persistence and degradability

| Security Check Paint Marker | |
|---|---|
| Persistence and degradability | Not established. |

| N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) (123-26-2) | |
|---|---|
| Persistence and degradability | Not readily biodegradable. |
| Biodegradation | 7 % 28 d |

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

### 12.3. Bioaccumulative potential

| Security Check Paint Marker | |
|---|---|
| Bioaccumulative potential | Not established. |

| N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) (123-26-2) | |
|---|---|
| Log Pow | 11.31 |

### 12.4. Mobility in soil

| Security Check Paint Marker | |
|---|---|
| Ecology - soil | No data available. |

### 12.5. Other adverse effects

Other information : No data available.

## SECTION 13: Disposal considerations

### 13.1. Disposal 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

### 14.1. UN number

DOT NA No : UN1263
UN-No. (TDG) : UN1263
UN-No. (IMDG) : 1263
UN-No. (IATA) : 1263

### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Paint
Proper Shipping Name (TDG) : Paint
Proper Shipping Name (IMDG) : PAINT
Proper Shipping Name (IATA) : PAINT

### 14.3. Transport hazard class(es)

**DOT**

Transport hazard class(es) (DOT) : 3
Hazard labels (DOT) : 3


**TDG**

Transport hazard class(es) (TDG) : 3

**IMDG**

Transport hazard class(es) (IMDG) : 3
Danger labels (IMDG) : 3


**IATA**

Transport hazard class(es) (IATA) : 3
Danger labels (IATA) : 3


### 14.4. Packing group

Packing group (DOT) : III
Packing group (TDG) : III
Packing group (IMDG) : III
Packing group (IATA) : III

### 14.5. Environmental hazards

Other information : No supplementary information available.

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are listed as Active, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

| **Butyl acetate (123-86-4)** | |
|---|---|
| CERCLA RQ | 5000 lb |

### 15.2. International regulations

| N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) (123-26-2) |
|---|
| Listed on KECI (Korean Existing Chemicals Inventory)<br>Listed on the TCSI (Taiwan Chemical Substance Inventory)<br>Listed on NZIoC (New Zealand Inventory of Chemicals)<br>Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory<br>Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) |

| Titanium dioxide (13463-67-7) |
|---|
| Listed on IARC (International Agency for Research on Cancer)<br>Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)<br>Listed on NZIoC (New Zealand Inventory of Chemicals)<br>Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)<br>Listed on Taiwan National Chemical Inventory<br>Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)<br>Listed on the TCSI (Taiwan Chemical Substance Inventory)<br>Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory<br>Listed on the Japanese ISHL (Industrial Safety and Health Law)<br>Listed on KECL/KECI (Korean Existing Chemicals Inventory) |

| Carbon black (1333-86-4) |
|---|
| Listed on IARC (International Agency for Research on Cancer)<br>Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)<br>Listed on NZIoC (New Zealand Inventory of Chemicals)<br>Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)<br>Listed on Taiwan National Chemical Inventory<br>Listed on KECL/KECI (Korean Existing Chemicals Inventory)<br>Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory<br>Listed on the Inventory of Existing Chemical Substances Produced or Imported in China (IECSC).<br>Listed on the Japanese ISHL (Industrial Safety and Health Law) |

### 15.3. US State regulations

| Security Check Paint Marker | |
|---|---|
| State or local regulations | The titanium dioxide in this product is bound and is not respirable.<br>This product is not expected to produce Silicon dioxide particles of respirable size.<br>The Carbon black in this product is bound and is not respirable.<br>California Prop. 65 warnings are not required. |

| Component | State or local regulations |
|---|---|
| Butyl acetate(123-86-4) | U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |
| Titanium dioxide(13463-67-7) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |
| Carbon black(1333-86-4) | U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - New Jersey - Right to Know Hazardous Substance List |

## SECTION 16: Other information

Revision date : 05/27/2021

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

Other information : None.

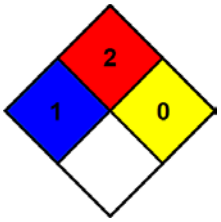
| **Full text of H-statements** | |
|---|---|
| H226 | Flammable liquid and vapour. |
| H317 | May cause an allergic skin reaction. |
| H336 | May cause drowsiness or dizziness. |
| H351 | Suspected of causing cancer. |
| H412 | Harmful to aquatic life with long lasting effects. |

| **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 - Materials that, under emergency conditions, can cause significant irritation.

NFPA fire hazard : 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and not reactive with water.




| **Indication of changes:** |
|---|
| Composition/information on ingredients. |

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.