

# K Paintstik®

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: 09/07/1995 Revision date: 03/06/2015 Supersedes: 02/26/2013  
Version: 3.0

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

### 1.1. Product identifier

Product form : Mixture  
Trade name : K Paintstik®

### 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

Eye Dam. 1 H318  
Resp. Sens. 1 H334  
Skin Sens. 1 H317  
Aquatic Chronic 3 H412

Full text of H-phrases: see section 16

### 2.2. Label elements

#### GHS labelling

Hazard pictograms (GHS) :



Signal word (GHS) :

Danger

Hazard statements (GHS) :

H317 - May cause an allergic skin reaction  
H318 - Causes serious eye damage  
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled  
H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (GHS) :

P261 - Avoid breathing dust, fume  
P272 - Contaminated work clothing must not be allowed out of the workplace  
P273 - Avoid release to the environment  
P280 - Wear eye protection, protective clothing, protective gloves  
P284 - In case of insufficient ventilation, wear suitable respiratory equipment  
P302+P352 - If on skin: Wash with plenty of water  
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P310 - Immediately call a doctor  
P321 - Specific treatment (see First aid measures on this label)  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention  
P342+P311 - If experiencing respiratory symptoms: Call a doctor  
P362+P364 - Take off contaminated clothing and wash it before reuse  
P501 - Dispose of contents/container to an authorised waste collection point

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### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product identifier	% (w/w)	GHS classification
phthalic anhydride	(CAS No) 85-44-9	2.32 - 2.33	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Resp. Sens. 1, H334 Skin Sens. 1, H317 STOT SE 3, H335
2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate	(CAS No) 9014-85-1	0.45 - 0.70	Eye Dam. 1, H318 Aquatic Acute 3, H402 Aquatic Chronic 3, H412
2,4,7,9-tetramethyldec-5-yne-4,7-diol	(CAS No) 126-86-3	0.17 - 0.70	Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-phrases: 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. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
- First-aid measures after skin contact : Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
- First-aid measures after ingestion : Do NOT induce vomiting. Get immediate medical advice/attention.

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

- Symptoms/injuries after inhalation : May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- Symptoms/injuries after skin contact : May cause an allergic skin reaction.
- Symptoms/injuries after eye contact : Causes serious eye damage.

### 4.3. Indication of any immediate medical attention and special treatment needed

All treatments should be based on observed signs and symptoms of distress in the patient.

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

### 5.3. Advice for firefighters

- Firefighting instructions : Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Use 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 contact with skin and eyes. Avoid breathing (dust, vapor, mist, gas).

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### 6.1.1. For non-emergency personnel

Protective equipment : Chemical goggles or safety glasses. Wear suitable protective clothing and gloves.  
Emergency procedures : Evacuate unnecessary personnel.

### 6.1.2. For emergency responders

Protective equipment : Chemical goggles or safety glasses. Wear suitable protective clothing and gloves.  
Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Avoid release to the environment. Do not discharge into drains or 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 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 breathing dust, fume.  
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

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

Storage conditions : Store in a dry, cool and well-ventilated place. Store in original container.  
Incompatible products : Oxidizing agent.  
Prohibitions on mixed storage : Keep away from incompatible materials.

### 7.3. Specific end use(s)

Marking.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

K Paintstik®		
ACGIH	Not applicable	
OSHA	Not applicable	
2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate (9014-85-1)		
ACGIH	Not applicable	
OSHA	Not applicable	
2,4,7,9-tetramethyldec-5-yne-4,7-diol (126-86-3)		
ACGIH	Not applicable	
OSHA	Not applicable	
phthalic anhydride (85-44-9)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	6.1 mg/m <sup>3</sup>
ACGIH	ACGIH TWA (ppm)	1 ppm
ACGIH	Remark (ACGIH)	URT, eye, & skin irr; DSEN; RSEN; A4
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	12 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (ppm)	2 ppm
Canada (Quebec)	VEMP (mg/m <sup>3</sup> )	6.1 mg/m <sup>3</sup>
Canada (Quebec)	VEMP (ppm)	1 ppm

### 8.2. Exposure controls

Appropriate engineering controls : Avoid dispersal of dust in the air (ie, clearing dust surfaces with compressed air). Either local exhaust or general room ventilation is usually required. Eyewash stations.

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Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear suitable gloves. Use rubber gloves.
Eye protection	: Chemical goggles or safety glasses.
Skin and body protection	: Wear suitable protective clothing. Impervious clothing.
Respiratory protection	: In case of inadequate ventilation wear respiratory protection. Use air-purifying respirator equipped with particulate filtering cartridges.
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	: white.
Odour	: odourless.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 177 °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	: No data available
Solubility	: No data available
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 %
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### 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

Keep away from sources of ignition.

#### 10.5. Incompatible materials

Oxidizing agent.

#### 10.6. Hazardous decomposition products

Burning produces irritating, toxic and noxious fumes. Carbon dioxide. Carbon monoxide.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity	: Not classified
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<b>2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate (9014-85-1)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 2 mg/l/4h

<b>phthalic anhydride (85-44-9)</b>	
LD50 oral rat	1530 mg/kg
LD50 dermal rabbit	> 10000 mg/kg No mortality observed
LC50 inhalation rat (mg/l)	> 2.14 mg/l/4h
ATE CLP (oral)	1530.000 mg/kg bodyweight

<b>Skin corrosion/irritation</b>	: Not classified
<b>Serious eye damage/irritation</b>	: Causes serious eye damage.
<b>Respiratory or skin sensitisation</b>	: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
<b>Germ cell mutagenicity</b>	: Not classified
<b>Carcinogenicity</b>	: Not classified.

<b>phthalic anhydride (85-44-9)</b>	
NOAEL (chronic, oral, animal/male, 2 years)	3570 mg/kg bodyweight
NOAEL (chronic, oral, animal/female, 2 years)	1785 mg/kg bodyweight

<b>Reproductive toxicity</b>	: Not classified
<b>Specific target organ toxicity (single exposure)</b>	: Not classified
<b>Specific target organ toxicity (repeated exposure)</b>	: Not classified

<b>2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate (9014-85-1)</b>	
NOAEL (subacute, oral, animal/male, 28 days)	200 mg/kg bodyweight

<b>Aspiration hazard</b>	: Not classified
<b>Potential adverse human health effects and symptoms</b>	
Symptoms/injuries after inhalation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Symptoms/injuries after skin contact	: May cause an allergic skin reaction.
Symptoms/injuries after eye contact	: Causes serious eye damage.
Likely routes of exposure	: Skin and eye contact;Inhalation

## SECTION 12: Ecological information

<b>12.1 Toxicity</b>	
Ecology - water	: Harmful to aquatic life with long lasting effects.

<b>2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate (9014-85-1)</b>	
LC50 fish 1	52.5 mg/l juvenile <i>S. maximus</i>
EC50 Daphnia 1	166 mg/l
ErC50 (algae)	15 mg/l
NOEC chronic algae	1 mg/l

<b>phthalic anhydride (85-44-9)</b>	
LC50 fish 1	560 mg/l 7 d
EC50 Daphnia 1	> 640 mg/l 48 h

### 12.2. Persistence and degradability

<b>K Paintstik®</b>	
Persistence and degradability	May cause long-term adverse effects in the environment.

<b>2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate (9014-85-1)</b>	
Persistence and degradability	Not readily biodegradable.

### 12.3. Bioaccumulative potential

<b>2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate (9014-85-1)</b>	
Bioconcentration factor (BCF REACH)	< 24
Bioaccumulative potential	Not expected to bioaccumulate.

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### phthalic anhydride (85-44-9)

Log Pow 2.07

#### 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 by sea

No additional information available

#### Air transport

No additional information available

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### Ethoxylated acetylene diols (9014-85-1)

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

##### 2,4,7,9-tetramethyldec-5-yne-4,7-diol (126-86-3)

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

##### phthalic anhydride (85-44-9)

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

#### 15.2. International regulations

##### CANADA

##### Ethoxylated acetylene diols (9014-85-1)

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

##### 2,4,7,9-tetramethyldec-5-yne-4,7-diol (126-86-3)

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

##### phthalic anhydride (85-44-9)

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

##### EU-Regulations

##### Ethoxylated acetylene diols (9014-85-1)

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

##### 2,4,7,9-tetramethyldec-5-yne-4,7-diol (126-86-3)

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

##### phthalic anhydride (85-44-9)

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

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### National regulations

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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).

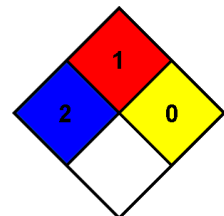
### 15.3. US State regulations

#### phthalic anhydride (85-44-9)

U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - New York - Right to Know List of Hazardous Chemicals  
U.S. - Pennsylvania - List of Hazardous Substances

## SECTION 16: Other information

- Indication of changes : GHS classification information. Revised sections: 1 - 16.
- Data sources : ACGIH 2000.  
Canadian Centre for Occupational Health and Safety. Accessed at:  
[http://www.ccohs.ca/oshanswers/legisl/whmis\\_classifi.html](http://www.ccohs.ca/oshanswers/legisl/whmis_classifi.html).  
ESIS (European chemical Substances Information System; accessed at:  
<http://esis.jrc.ec.europa.eu/index.php?PGM=cla>.  
European Chemicals Agency (ECHA) Registered Substances list. Accessed at  
<http://echa.europa.eu/>. 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.  
REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.  
TSCA Chemical Substance Inventory. Accessed at  
<http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html>.
- Abbreviations and acronyms : ACGIH (American Conference of Government Industrial Hygienists).  
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.  
STEL: Short Term Exposure Limits.  
TSCA: Toxic Substances Control Act.  
TWA: Time Weight Average.
- Other information : None.
- NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention 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-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Acute 3	Hazardous to the aquatic environment — Acute Hazard, Category 3
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Resp. Sens. 1	Sensitisation — Respiratory, category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2

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Skin Sens. 1	Sensitisation — Skin, category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

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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*