



1121 5<sup>th</sup> Street NW  
Washington, DC 20001  
[www.edvotek.com](http://www.edvotek.com)

## Safety Data Sheet

Version 1  
Revision Date 08/04/2020

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Control	Telephone:	1-800-338-6835
Product Number:		or 202-370-1500
Brand: Edvotek	Fax:	202-370-1501
		Emergency Phone #:
Supplier: Edvotek		202-370-1500
1121 5 <sup>th</sup> Street NW		
Washington, DC		
20001		

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

**OSHA Hazards:**

No known OSHA hazards.

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

**HMIS Classification:**

Health hazard: 0  
Flammability: 0  
Physical hazard: 0

**NFPA Rating:**

Health hazard: 0  
Fire: 0  
Reactivity Hazard: 0

**Potential Health Effects:**

**Inhalation:** May be harmful if inhaled.  
**Skin:** May be harmful if absorbed through skin. May cause skin irritation.  
**Eyes:** May cause eye irritation.  
**Ingestion:** May be harmful if swallowed.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

No ingredients are hazardous according to OSHA criteria.

### 4. FIRST AID MEASURES

#### General information

No special measures required.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult doctor in case of complaints.

#### In case of skin contact

Immediately wash off with soap and plenty of water. Get medical attention if symptoms develop.

#### In case of eye contact

Flush eyes with water as a precaution. Get medical attention immediately if irritation persists.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if symptoms develop.

### 5. FIREFIGHTING MEASURES

#### Conditions of flammability

Not flammable or combustible.

#### Suitable extinguishing media

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

#### Special protective equipment for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

#### Hazardous combustion products

No known products

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions**

Prevent skin/eye contact. Use personal protective equipment as needed.

### **Environmental precautions**

Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

### **Methods and materials for containment and cleaning up**

Clean up spills immediately. Use absorbent materials if needed and dispose into a chemical waste container.

## 7. HANDLING AND STORAGE

### **Precautions for safe handling**

No special measures necessary. Good laboratory technique should be used when handling.

### **Conditions for safe storage**

No special measures necessary. Store at room temperature.

### **Incompatible Products**

No known products

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

### **Personal protective equipment**

#### **Respiratory protection**

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection**

Wear protective gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

**Eye protection**

Avoid eye contact with this material. Wear chemical safety goggles.

**Skin and body protection**

Use chemical gloves as needed. Use clean protective body covering clothing as needed to minimize contact with clothing and skin.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. Wash and dry hands at the end of workday.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance**

Form liquid  
 Color red / blue/ yellow  
 Odor no data available

**Safety data**

pH	no data available
Melting point/freezing point	no data available
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Autoignition Temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	no data available
Density (water=1)	no data available
Water solubility	no data available
Partition coefficient:	
n-octanol/water	no data available
Relative vapour Density	no data available
Odour Threshold	no data available
Evaporation rate	no data available

## 10. STABILITY AND REACTIVITY

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

No further relevant data available.

**Conditions to avoid**

No further relevant data available.

**Materials to avoid**

No further relevant data available.

**Hazardous decomposition products**

No dangerous decomposition products known.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity LD/LC50 values**

no data available

**Serious eye damage/eye irritation**

no data available

**Respiratory or skin sensitization**

no data available

**Germ cell mutagenicity**

no data available

**Skin corrosion/irritation**

no data available

**Carcinogenicity**

No component of this product are listed by IARC, ACGIH, NTP and OSHA.

**Reproductive toxicity**

no data available

**Teratogenicity**

no data available

**Aspiration hazard**

no data available

**Synergistic effects**

no data available

**12. ECOLOGICAL INFORMATION****Toxicity**

no data available

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

**PBT and vPvB assessment**

no data available

**Other adverse effects**

no data available

**13. DISPOSAL CONSIDERATIONS****Product**

Dispose of unused product, residues, and containers according to local, regional, state, and national regulations.

**Contaminated packaging**

Dispose of as unused product.

## 14. TRANSPORT INFORMATION

### **DOT (US)**

Not dangerous goods

### **IMDG**

Not dangerous goods

### **IATA**

Not dangerous goods

## 15. REGULATORY INFORMATION

### **OSHA Hazards**

No known OSHA hazards.

### **SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### **SARA 313 Components**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the reporting levels established by SARA Title III, Section 313.

### **SARA 311/312 Hazards**

No SARA Hazards.

## **16. OTHER INFORMATION**

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The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. **THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.**





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## Safety Data Sheet

Version 1  
Revision Date 08/04/2020

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: E-Liquid Sample 1	Telephone:	1-800-338-6835
Product Number:		or 202-370-1500
Brand: Edvotek	Fax:	202-370-1501
		Emergency Phone #:
Supplier: Edvotek		202-370-1500
1121 5 <sup>th</sup> Street NW		
Washington, DC		
20001		

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

#### OSHA Hazards:

Flammable Liquid and Vapor.

#### GHS Classification

Flammable liquid (Cat 3), H226  
Short-term (acute) aquatic hazard (Cat 3), H402

#### Signal Word:

Warning

#### Pictogram:



#### Hazard Statements

Hazard Statements  
H226 Flammable liquid and vapour.  
H402 Harmful to aquatic life.

Precautionary statement(s)

P210 Keep away from heat/sparks/open flames/hot surfaces. 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.

P273 Avoid release to the environment.

P280 Wear protective gloves/ eye protection/ face protection.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

P403 + P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/ container to an approved waste disposal plant.

**NFPA Rating:**

Health hazard: 1

Fire: 3

Reactivity Hazard: 0

**Potential Health Effects:**

**Inhalation:** May be harmful if inhaled.

**Skin:** May be harmful if absorbed through skin. May cause skin irritation. Repeated exposure may cause skin dryness or cracking.

**Eyes:** May cause eye irritation.

**Ingestion:** May be harmful if swallowed.

**HMIS Classification:**

Health hazard: 1

Flammability: 3

Physical hazard: 0

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical	Ec No	CAS No	Concentration
Isoamyl Acetate	204-662-3	123-92-2	<5%
Edvotek TLC Dye Mixture	-	-	-

### 4. FIRST AID MEASURES

#### General information

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult doctor in case of complaints.

#### In case of skin contact

Immediately wash off with soap and plenty of water. Get medical attention if symptoms develop.

#### In case of eye contact

Flush eyes with water as a precaution. Get medical attention immediately if irritation persists.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if symptoms develop.

### 5. FIREFIGHTING MEASURES

#### Conditions of flammability

Flammable and combatable.

#### Suitable extinguishing media

Dry powder/Dry Sand. DO NOT use water jets.

#### Special protective equipment for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

#### Hazardous combustion products

Carbon oxides.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

Prevent skin/eye contact. Use personal protective equipment as needed. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

### Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

### Methods and materials for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

### Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### Incompatible Products

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

### Personal protective equipment

#### Respiratory protection

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection**

Wear protective gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

**Eye protection**

Avoid eye contact with this material. Wear chemical safety goggles.

**Skin and body protection**

Use chemical gloves as needed. Use clean protective body covering clothing as needed to minimize contact with clothing and skin.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. Wash and dry hands at the end of workday.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance**

Form liquid  
Color blue  
Odor no data available

**Safety data**

pH	no data available
Melting point/freezing point	no data available
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Autoignition Temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	no data available
Density (water=1)	no data available
Water solubility	no data available
Partition coefficient:	
n-octanol/water	no data available
Relative vapour Density	no data available
Odour Threshold	no data available
Evaporation rate	no data available

## 10. STABILITY AND REACTIVITY

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

Vapours may form explosive mixture with air.

**Conditions to avoid**

Heat, Flames, Sparks.

**Materials to avoid**

Oxidizing agents, Strong acids and strong bases, Reducing agents

**Hazardous decomposition products**

Carbon oxides

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity LD/LC50 values**

no data available

**Serious eye damage/eye irritation**

no data available

**Respiratory or skin sensitization**

no data available

**Germ cell mutagenicity**

no data available

**Skin corrosion/irritation**

no data available

**Carcinogenicity**

No component of this product are listed by IARC, ACGIH, NTP and OSHA.

**Reproductive toxicity**

no data available

**Teratogenicity**

no data available

**Aspiration hazard**

no data available

**Synergistic effects**

no data available

**12. ECOLOGICAL INFORMATION****Toxicity**

no data available

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

**PBT and vPvB assessment**

no data available

**Other adverse effects**

no data available

**13. DISPOSAL CONSIDERATIONS****Product**

Dispose of unused product, residues, and containers according to local, regional, state, and national regulations.

**Contaminated packaging**

Dispose of as unused product.

## 14. TRANSPORT INFORMATION

### DOT (US)

UN number: 1104 Class: 3 Packing group: III

Proper shipping name: Amyl acetates

Reportable Quantity (RQ): 5000 lbs

Poison Inhalation Hazard: No

### IMDG

UN number: 1104 Class: 3 Packing group: III EMS-No: F-E, S-D

Proper shipping name: AMYL ACETATES

### IATA

UN number: 1104 Class: 3 Packing group: III

Proper shipping name: Amyl acetates

## 15. REGULATORY INFORMATION

### OSHA Hazards

No known OSHA hazards.

### SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the reporting levels established by SARA Title III, Section 313.

### SARA 311/312 Hazards

Fire Hazard, Chronic Health Hazard

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

Isoamyl acetate CAS-No.123-92-2 Revision Date 1993-02-16



## **16. OTHER INFORMATION**

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## Safety Data Sheet

Version 1  
 Revision Date 08/04/2020

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: E-Liquid Sample 2	Telephone:	1-800-338-6835
Product Number:		or 202-370-1500
Brand: Edvotek	Fax:	202-370-1501
		Emergency Phone #:
Supplier: Edvotek		202-370-1500
1121 5 <sup>th</sup> Street NW		
Washington, DC		
20001		

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

#### GHS Classification

Acute toxicity, Dermal (Category 4)  
 Skin irritation (Category 2)  
 Eye irritation (Category 2A)  
 Skin sensitisation (Category 1)

#### Signal Word:

Warning

#### Pictogram:



#### Hazard Statements

#### Hazard Statements

H312 Harmful in contact with skin.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.

#### Precautionary statement(s)

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
 P264 Wash skin thoroughly after handling.  
 P272 Contaminated work clothing must not be allowed out of the workplace.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P302 + P352 + P312 IF ON SKIN: Wash with plenty of water. Call a POISON

CENTER/doctor if you feel unwell.

P305 + P351 + P338 IF IN EYES:

Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse.

P501 Dispose of contents/ container to an approved waste disposal plant.

**HMIS Classification:**

Health hazard: 2

Flammability: 1

Physical hazard: 0

**NFPA Rating:**

Health hazard: 2

Fire: 1

Reactivity Hazard: 0

**Potential Health Effects:**

**Inhalation:** May be harmful if inhaled.

**Skin:** May be harmful if absorbed through skin. May cause skin irritation. Repeated exposure may cause skin dryness or cracking.

**Eyes:** May cause eye irritation.

**Ingestion:** May be harmful if swallowed.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical	Ec No	CAS No	Concentration
Cinnamaldehyde	203-213-9	104-55-2	<5%
Edvotek TLC Dye Mixture	-	-	-

### 4. FIRST AID MEASURES

#### General information

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult doctor in case of complaints.

#### In case of skin contact

Immediately wash off with soap and plenty of water.

#### In case of eye contact

Flush eyes with water as a precaution. Get medical attention immediately if irritation persists.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if symptoms develop.

### 5. FIREFIGHTING MEASURES

#### Conditions of flammability

Flammable and combustible.

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### Special protective equipment for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

#### Hazardous combustion products

Carbon oxides. Combustible liquids.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid contact with skin and eyes.

### Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

### Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

### Precautions for safe handling

## 7. HANDLING AND STORAGE

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

### Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### Incompatible Products

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

### Personal protective equipment

#### Respiratory protection

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection**

Wear protective gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

**Eye protection**

Avoid eye contact with this material. Wear chemical safety goggles.

**Skin and body protection**

Use chemical gloves as needed. Use clean protective body covering clothing as needed to minimize contact with clothing and skin.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. Wash and dry hands at the end of workday.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

Form liquid  
Color blue  
Odor strong

**Safety data**

pH	no data available
Melting point/freezing point	no data available
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Autoignition Temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	no data available
Density (water=1)	no data available
Water solubility	no data available
Partition coefficient:	
n-octanol/water	no data available
Relative vapour Density	no data available
Odour Threshold	no data available
Evaporation rate	no data available

## 10. STABILITY AND REACTIVITY

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

Vapours may form explosive mixture with air.

**Conditions to avoid**

Air.

**Materials to avoid**

Oxidizing agents.

**Hazardous decomposition products**

Carbon oxides

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity LD/LC50 values**

no data available

**Serious eye damage/eye irritation**

no data available

**Respiratory or skin sensitization**

no data available

**Germ cell mutagenicity**

no data available

**Skin corrosion/irritation**

no data available

**Carcinogenicity**

No component of this product are listed by IARC, ACGIH, NTP and OSHA.

**Reproductive toxicity**

no data available

**Teratogenicity**

no data available

**Aspiration hazard**

no data available

**Synergistic effects**

no data available

**12. ECOLOGICAL INFORMATION****Toxicity**

no data available

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

**PBT and vPvB assessment**

no data available

**Other adverse effects**

no data available

**13. DISPOSAL CONSIDERATIONS****Product**

Dispose of unused product, residues, and containers according to local, regional, state, and national regulations.

**Contaminated packaging**

Dispose of as unused product.



## 14. TRANSPORT INFORMATION

### **DOT (US)**

Not dangerous goods

### **IMDG**

Not dangerous goods

### **IATA**

Not dangerous goods

## 15. REGULATORY INFORMATION

### **OSHA Hazards**

No known OSHA hazards.

### **SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### **SARA 313 Components**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the reporting levels established by SARA Title III, Section 313.

### **SARA 311/312 Hazards**

Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

Cinnamaldehyde CAS-No.104-55-2 Revision Date

New Jersey Right To Know Components

Cinnamaldehyde CAS-No.104-55-2 Revision Date



## **16. OTHER INFORMATION**

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## Safety Data Sheet

Version 1  
 Revision Date 08/04/2020

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: E-Liquid Sample 3	Telephone:	1-800-338-6835
Product Number:		or 202-370-1500
Brand: Edvotek	Fax:	202-370-1501
Supplier: Edvotek	Emergency Phone #:	202-370-1500
1121 5 <sup>th</sup> Street NW		
Washington, DC		
20001		

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

#### OSHA Hazards:

Acute oral toxicity, skin corrosion/irritation, serious eye damage/eye irritation, skin sensitization.

#### GHS Classification

Eye irritation (Category 2A), H319  
 Skin sensitization (Category 1), H317  
 Aspiration hazard (Category 1), H304  
 Short-term (acute) aquatic hazard (Category 2), H401

#### Signal Word:

Danger

#### Pictogram:



#### Hazard Statements

Hazard Statements  
 H304 May be fatal if swallowed and enters airways.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.  
 H401 Toxic to aquatic life.

Precautionary statement(s)

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P264 Wash skin thoroughly after handling.

P272 Contaminated work clothing must not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/ eye protection/ face protection.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P331 Do NOT induce vomiting.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P363 Wash contaminated clothing before reuse.

P405 Store locked up.

P501 Dispose of contents/ container to an approved waste disposal plant.

**NFPA Rating:**

Health hazard: 2

Fire: 1

Reactivity Hazard: 0

**Potential Health Effects:**

**Inhalation:** May be harmful if inhaled.

**Skin:** May be harmful if absorbed through skin. May cause skin irritation. Repeated exposure may cause skin dryness or cracking.

**Eyes:** May cause eye irritation.

**Ingestion:** May be harmful if swallowed.

**HMIS Classification:**

Health hazard: 2

Flammability: 1

Physical hazard: 0

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical	Ec No	CAS No	Concentration
Eugenol	202-589-1	97-53-0	<5%
Edvotek TLC Dye Mixture	-	-	-

### 4. FIRST AID MEASURES

#### General information

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult doctor in case of complaints.

#### In case of skin contact

Immediately wash off with soap and plenty of water.

#### In case of eye contact

Flush eyes with water as a precaution. Get medical attention immediately if irritation persists.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if symptoms develop.

### 5. FIREFIGHTING MEASURES

#### Conditions of flammability

Flammable and combustible.

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### Special protective equipment for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

#### Hazardous combustion products

Carbon oxides. Combustible liquids.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid contact with skin and eyes.

### Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

### Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

### Precautions for safe handling

## 7. HANDLING AND STORAGE

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

### Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### Incompatible Products

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

### Personal protective equipment

#### Respiratory protection

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection**

Wear protective gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

**Eye protection**

Avoid eye contact with this material. Wear chemical safety goggles.

**Skin and body protection**

Use chemical gloves as needed. Use clean protective body covering clothing as needed to minimize contact with clothing and skin.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. Wash and dry hands at the end of workday.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance**

Form liquid  
Color blue  
Odor strong

**Safety data**

pH	no data available
Melting point/freezing point	no data available
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Autoignition Temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	no data available
Density (water=1)	no data available
Water solubility	no data available
Partition coefficient:	
n-octanol/water	no data available
Relative vapour Density	no data available
Odour Threshold	no data available
Evaporation rate	no data available



## 10. STABILITY AND REACTIVITY

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

Vapours may form explosive mixture with air.

**Conditions to avoid**

Air.

**Materials to avoid**

Oxidizing agents.

**Hazardous decomposition products**

Carbon oxides

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity LD/LC50 values**

no data available

**Serious eye damage/eye irritation**

no data available

**Respiratory or skin sensitization**

no data available

**Germ cell mutagenicity**

no data available

**Skin corrosion/irritation**

no data available

**Carcinogenicity**

No component of this product are listed by IARC, ACGIH, NTP and OSHA.

**Reproductive toxicity**

no data available

**Teratogenicity**

no data available

**Aspiration hazard**

no data available

**Synergistic effects**

no data available

**12. ECOLOGICAL INFORMATION****Toxicity**

no data available

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

**PBT and vPvB assessment**

no data available

**Other adverse effects**

no data available

**13. DISPOSAL CONSIDERATIONS****Product**

Dispose of unused product, residues, and containers according to local, regional, state, and national regulations.

**Contaminated packaging**

Dispose of as unused product.

## 14. TRANSPORT INFORMATION

### **DOT (US)**

Not dangerous goods

### **IMDG**

Not dangerous goods

### **IATA**

Not dangerous goods

## 15. REGULATORY INFORMATION

### **OSHA Hazards**

No known OSHA hazards.

### **SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### **SARA 313 Components**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the reporting levels established by SARA Title III, Section 313.

### **SARA 311/312 Hazards**

Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

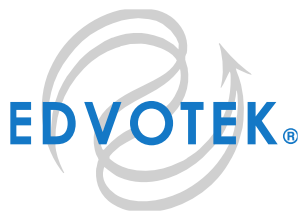
Pennsylvania Right To Know Components

Eugenol CAS-No.97-53-0 Revision Date 1993-02-16

## **16. OTHER INFORMATION**

For educational use only. Not intended for human or animal diagnostic or therapeutic uses.

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. **THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.**



1121 5th Street NW  
Washington, DC 20001  
[www.edvotek.com](http://www.edvotek.com)

## Safety Data Sheet

Version 2  
Revision Date 10/28/2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	Potassium Acetate	Telephone:	1-800-338-6835
Product Number:			or 202-370-1500
Brand:	Edvotek	Fax:	202-370-1501
Supplier:	Edvotek	Emergency Phone #:	202-370-1500
	1121 5th Street NW		
	Washington, DC		
	20001		

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

#### OSHA Hazards:

No known OSHA hazards.

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

#### HMIS Classification:

Health hazard: 0  
Flammability: 0  
Physical hazard: 0

#### NFPA Rating:

Health hazard: 0  
Fire: 0  
Reactivity Hazard: 0

#### Potential Health Effects:

**Inhalation:** May be harmful if inhaled.  
**Skin:** May be harmful if absorbed through skin. May cause skin irritation.  
**Eyes:** May cause eye irritation.  
**Ingestion:** May be harmful if swallowed.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula:  $C_2H_3KO_2$

Molecular Weight: 98.14 g/mol

No ingredients are hazardous according to OSHA criteria.

## 4. FIRST AID MEASURES

### General information

No special measures required.

### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult doctor in case of complaints.

### In case of skin contact

Immediately wash off with soap and plenty of water. Get medical attention if symptoms develop.

### In case of eye contact

Flush eyes with water as a precaution. Get medical attention immediately if irritation persists.

### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if symptoms develop.

## 5. FIREFIGHTING MEASURES

### Conditions of flammability

Not flammable or combustible.

Wear self contained breathing apparatus for fire fighting if necessary.

### Suitable extinguishing media

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

### Hazardous combustion products

Carbon oxides, Potassium oxides

### Special protective equipment for firefighters

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

Prevent skin/eye contact. Use personal protective equipment as needed.

**Environmental precautions**

Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

**Methods and materials for containment and cleaning up**

Clean up spills immediately. Use absorbent materials if needed and dispose into a chemical waste container.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

No special measures necessary. Good laboratory technique should be used when handling.

**Conditions for safe storage**

No special measures necessary. Store at room temperature.

**Incompatible Products**

No known products

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

**Personal protective equipment****Respiratory protection**

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection**

Wear protective gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

**Eye protection**

Avoid eye contact with this material. Wear chemical safety goggles.

**Skin and body protection**

Use chemical gloves as needed. Use clean protective body covering clothing as needed to minimize contact with clothing and skin.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. Wash and dry hands at the end of workday.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

Form liquid  
Color colorless  
Odor no data available

**Safety data**

pH	no data available
Melting point/freezing point	no data available
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Autoignition Temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapor pressure	no data available
Density (water=1)	no data available
Water solubility	no data available
Partition coefficient: n-octanol/water	no data available
Relative vapour Density	no data available
Odour Threshold	no data available

**10. STABILITY AND REACTIVITY**

Evaporation rate no data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

No further relevant data available.



No further relevant data available.

### Hazardous decomposition products

## 11. TOXICOLOGICAL INFORMATION

### Conditions to avoid

No further relevant data available.

Carbon oxides, Potassium oxides

### Materials to avoid

### Acute toxicity LD/LC50 values

no data available

### Serious eye damage/eye irritation

no data available

### Respiratory or skin sensitization

no data available

### Germ cell mutagenicity

no data available

### Skin corrosion/irritation

no data available

### Carcinogenicity

No components of this product are listed by IARC, ACGIH, NTP and OSHA.

### Reproductive toxicity

no data available

### Teratogenicity

no data available

### Aspiration hazard

no data available

### Synergistic effects

no data available

## 12. ECOLOGICAL INFORMATION

### Toxicity

no data available

### PBT and vPvB assessment

no data available

### Persistence and degradability

no data available

### Other adverse effects

no data available

### Bioaccumulative potential

no data available

### Mobility in soil

no data available

## 13. DISPOSAL CONSIDERATIONS

### Product

Dispose of unused product, residues, and containers according to local, regional, state, and national regulations.

### Contaminated packaging

Dispose of as unused product.

### DOT (US)

## 14. TRANSPORT INFORMATION

Not dangerous goods

### IMDG

Not dangerous goods

### IATA

## 15. REGULATORY INFORMATION

Not dangerous goods

### OSHA Hazards

No known OSHA hazards.

### SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the reporting levels established by SARA Title III, Section 313.

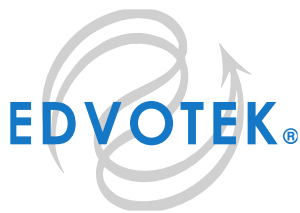
**SARA 311/312 Hazards**

No SARA Hazards.

**16. OTHER INFORMATION**

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1121 5<sup>th</sup> Street NW  
Washington, DC 20001  
[www.edvotek.com](http://www.edvotek.com)

## Safety Data Sheet

Version 2  
Revision Date 12/19/18

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Sodium citrate: isopropanol	Telephone: 1-800-338-6835 or 202-370-1500
Product Number:	Fax: 202-370-1501
Brand: Edvotek	Emergency Phone #: 202-370-1500
Supplier: Edvotek 1121 5 <sup>th</sup> Street NW Washington, DC 20001	

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

#### OSHA Hazards:

Flammable liquids (2)  
Eye irritation (2A),

#### Pictogram



#### Signal word

Danger

#### Hazard statement(s)

**H225** Highly flammable liquid and vapour.  
**H319** Causes serious eye irritation.

#### Precautionary statement(s)

**P210** Keep away from heat/sparks/open flames/hot surfaces..  
**P233** Keep container tightly closed.  
**P242** Use only non-sparking tools.  
**P280** Wear protective gloves/ protective clothing/ eye protection/ face protection.

**P303 + P361 + P353** IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

**P370 + P378** In case of fire: Use dry sand, dry chemical or alcohol-resistant foam

**P403 + P235** Store in a well-ventilated place. Keep cool.

**P501** Dispose of contents/ container to an approved waste disposal plant

#### HMIS Classification:

Health hazard: 2

Flammability: 3

Physical hazard: 0

#### NFPA Rating:

Health hazard: 2

Fire: 3

Reactivity Hazard: 0

#### Potential Health Effects:

**Inhalation:** May be harmful if inhaled.

**Skin:** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes:** May cause eye irritation.

**Ingestion:** May be harmful if swallowed.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mix of the following components

Chemical name	EC No.	CAS –No	Concentration
Sodium citrate	200-675-3	18996-35-5	<2 %
Isopropanol	200-661-7	67-63-0	< 0.5 %

### 4. FIRST AID MEASURES

#### General information

No special measures required.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult doctor in case of complaints.

**In case of skin contact**

Immediately wash off with soap and plenty of water. Get medical attention if symptoms develop.

**In case of eye contact**

Flush eyes with water as a precaution. Get medical attention immediately if irritation persists.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if symptoms develop.

## 5. FIREFIGHTING MEASURES

**Conditions of flammability**

Flammable or combustible.

**Suitable extinguishing media**

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

**Special protective equipment for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

**Hazardous combustion products**

No known products

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions**

Prevent skin/eye contact. Use personal protective equipment as needed.

**Environmental precautions**

Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

**Methods and materials for containment and cleaning up**

Clean up spills immediately. Use absorbent materials if needed and dispose into a chemical waste container.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

No special measures necessary. Good laboratory technique should be used when handling.

**Conditions for safe storage**

No special measures necessary. Store at room temperature.

**Incompatible Products**

No known products.

**8. EXPOSURE CONTROLS/ PERSONAL PROTECTION****Personal protective equipment****Respiratory protection**

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection**

Wear protective gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

**Eye protection**

Avoid eye contact with this material. Wear chemical safety goggles.

**Skin and body protection**

Use chemical gloves as needed. Use clean protective body covering clothing as needed to minimize contact with clothing and skin.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. Wash and dry hands at the end of workday.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

Form	liquid
Color	colorless

Odor no data available

**Safety data**

pH	no data available
Melting point/freezing point	no data available
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Autoignition Temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapor pressure	no data available
Density (water=1)	no data available
Water solubility	no data available
Partition coefficient:	
n-octanol/water	no data available
Relative vapour Density	no data available
Odour Threshold	no data available
Evaporation rate	no data available

## 10. STABILITY AND REACTIVITY

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

Vapours may form explosive mixture with air.

**Conditions to avoid**

Heat, flames and sparks. Extremes of temperature and direct sunlight

**Materials to avoid**

Alkali metals, Ammonia, Oxidizing agents, Peroxide

**Hazardous decomposition products**

No dangerous decomposition products known

## 11. TOXICOLOGICAL INFORMATION



**Acute toxicity LD/LC50 values**

no data available

**Serious eye damage/eye irritation**

no data available

**Respiratory or skin sensitization**

no data available

**Germ cell mutagenicity**

no data available

**Skin corrosion/irritation**

no data available

**Carcinogenicity**

No components of this product are listed by IARC, ACGIH, NTP and OSHA.

**Reproductive toxicity**

no data available

**Teratogenicity**

no data available

**Aspiration hazard**

no data available

**Synergistic effects**

no data available

**12. ECOLOGICAL INFORMATION****Toxicity**

no data available

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

**PBT and vPvB assessment**

no data available

**Other adverse effects**

no data available

### 13. DISPOSAL CONSIDERATIONS

#### **Product**

Dispose of unused product, residues, and containers according to local, regional, state, and national regulations.

#### **Contaminated packaging**

Dispose of as unused product.

### 14. TRANSPORT INFORMATION

#### **DOT (US)**

Not dangerous goods

#### **IMDG**

Not dangerous goods

#### **IATA**

Not dangerous goods

### 15. REGULATORY INFORMATION

#### **OSHA Hazards**

Flammable liquids.

#### **SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**

No SARA Hazards.

**16. OTHER INFORMATION**

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