



Elegant Processes.  
Sustainable Products.

## SAFETY DATA SHEET

### 1. Product and Company Identification

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**Product Name:** Citropol® V5

**Version #03:** 10/19/2020

**Supplier:** P2 Science Inc.  
4 Research Drive  
Woodbridge, CT 06525  
USA  
Phone: +1 (203) 821-7457  
[www.p2science.com](http://www.p2science.com)

**Use:** Ingredient in consumer products

**24-Hour Emergency Assistance** CHEMTREC: +1-800-424-9300

### 2. Hazards Identification

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#### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable Liquids      Category 4  
Aspiration Toxicity      Category 1

#### Label Elements

##### **Signal Word**

Danger

##### **Hazard Statements**

Combustible liquid

May be fatal if swallowed and enters airways



### **Precautionary Statements**

#### **Prevention**

Keep away from flames and hot surfaces. – No smoking.

Wear protective gloves/eye protection/face protection

#### **Response**

In case of fire: Use CO<sub>2</sub>, dry chemical or foam to extinguish.

If swallowed: Immediately call a poison center or physician. Do NOT induce vomiting.

#### **Storage**

Store locked up in a well-ventilated place. Keep cool.

#### **Disposal**

Dispose of contents/container to an approved waste disposal facility.

### **3. Composition/Information on Ingredients**

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Citropol® V5 is a proprietary blend of three components:

- Polycitronellol Acetate (CAS# 2417284-25-2)
- Undecane (CAS# 1120-21-4)
- Tridecane (CAS# 629-50-5)

### **4. First Aid Measures**

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#### **Inhalation**

If not breathing, give artificial respiration. Consult a physician.

#### **Skin Contact**

Wash off with soap and plenty of water. Consult a physician.

#### **Eye Contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

#### **Swallowed**

Immediately call a poison center or physician. Do NOT induce vomiting.

### **5. Fire Fighting Measures**

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#### **Suitable extinguishing media**

Dry chemical, carbon dioxide or foam.

#### **Special protective equipment for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

#### **Hazardous combustion products**

Hazardous decomposition products formed under fire conditions – Carbon oxides.

## 6. Accidental Release Measures

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### Personal precautions

Use face and eye protection, and gloves. Avoid breathing aerosol if present.

### Environmental precautions

Do not let product enter drains.

### Methods and materials for containment and cleaning up

Use suitable absorbent material. Place in suitable, closed containers for disposal.

## 7. Handling and Storage

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### Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

### Conditions for safe storage

Keep container tightly closed in a cool, locked and well-ventilated place.

## 8. Exposure Controls/Personal Protection

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### Control Parameters

Contains no substances with occupational exposure limit values.

### Personal protective equipment

- **Respiratory protection:** Product is not volatile. No respiratory protection required, unless there is a risk of exposure to aerosols. In that case, use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
- **Hand protection:** Product is not considered a skin irritant. However, to avoid any potential concerns, handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
- **Eye protection:** Product is not an eye irritant. However, as a precautionary measure use tightly fitting safety goggles. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN (EU).
- **Skin and body protection:** Product is not a skin irritant. Therefore, skin and body protection are not necessary. However, if product is splashed on clothes or skin, remove contaminated clothing and wash with soap and water.
- **Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## 9. Physical and Chemical Properties

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### Appearance

Form:	Liquid
Color:	Colorless to light yellow
Odor:	Odorless
Melting point/freezing point:	No data available
Boiling point range:	No data available
Flash point:	77° C +/- 2
Evaporation rate:	No data available
Flammability:	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:	Approx. 0.810g/cm <sup>3</sup> at 25°C
Water solubility:	Virtually insoluble
Other solubility:	Alcohols and oils
pH:	4.0-7.0
Viscosity (dynamic)	2.5-5.0 mPa.s at 25°C
Viscosity (kinematic)	6.5-9.0 mm <sup>2</sup> /s at 25°C
Partition Coefficient (n-octanol:water)	No data available
Thermal decomposition	No data available

## 10. Stability and Reactivity

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### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

No data available.

### Conditions to avoid

No data available.

### Materials to avoid

Strong oxidizing agents, Strong reducing agents, Strong bases.

### Hazardous decomposition products

Hazardous decomposition products formed under fire conditions – Carbon oxides.

## 11. Toxicological Information

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### Acute toxicity:

(Dermal, Oral, Inhalation LD<sub>50</sub>)

No data available. However, based on available information on the components (test data and in silico modeling), product is not expected to be acutely toxic by the oral or dermal routes.

### Skin corrosion/irritation:

No data available. However, based on available test data on the components, product is not expected to cause skin

	irritation or corrosion.
<b>Skin sensitization:</b> the	No data available. However, based on available test data on the components, product is not expected to induce skin sensitization.
<b>Respiratory sensitization:</b>	No data available.
<b>Serious eye damage/eye irritation:</b> the	No data available. However, based on available test data on the components, product is not expected to cause serious eye damage or eye irritation.
<b>Phototoxicity:</b> the	No data available. However, based on available test data on the components, product is not expected to induce phototoxicity.
<b>Germ cell mutagenicity and clastogenicity</b>	No data available. However, based on available test data on the components, product is not expected to be mutagenic or genotoxic.
<b>Carcinogenicity</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP or OSHA.
<b>Reproductive toxicity</b>	No data available.
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.
<b>Specific target organ toxicity-single exposure</b>	No data available.
<b>Specific target organ toxicity-repeated exposure</b>	No data available.

## **12. Ecological Information**

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<b>Toxicity:</b>	No data available.
<b>Persistence and degradability:</b>	No data available. However, undecane and tridecane are readily biodegradable and polycitronellol acetate is inherently biodegradable.
<b>Bioaccumulative potential</b>	No data available.
<b>Mobility in soil:</b>	No data available.
<b>PBT and vPvB assessment:</b>	No data available.
<b>Other adverse effects:</b>	No data available.

### **13. Disposal Considerations**

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Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

### **14. Transport Information**

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<b>DOT (US)</b>	Material considered to be Combustible Liquid
<b>IMDG</b>	Not regulated
<b>IATA</b>	Not regulated

### **15. Regulatory Information**

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#### **SARA 302 Components**

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

#### **SARA 313 Components**

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

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

No SARA Hazards

#### **Massachusetts Right To Know Components**

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

#### **Pennsylvania Right To Know Components**

No components

#### **New Jersey Right To Know Components**

No components

#### **California Proposition 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### **16. Other Information**

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The above information is believed to be correct but does not purport to be all- inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. P2 Science, Inc, shall not be held liable for any damage resulting from handling or from contact with the above product. It is the user's responsibility to determine the safety, toxicity, and suitability for their own use of the product described herein.

**Date of Last Change:** October 19, 2020