



Elegant Processes.  
Sustainable Products.

## **SAFETY DATA SHEET**

in accordance with the requirements of US 29 CFR 1910.1200

### **1. Product and Company Identification**

---

**Product Name:** CitroComplex™ Hair

**Version #02:** 02/17/2022

**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**

---

#### **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**

H227 - Combustible liquid

H304 - May be fatal if swallowed and enters airways



### **Precautionary Statements**

#### **Prevention**

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

#### **Response**

P301+P310 – IF SWALLOWED: Immediately call a Poison Center or seek medical advice/attention.

P331 – Do NOT induce vomiting.

P370+P378 - In case of fire: Use media other than water to extinguish.

#### **Storage**

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

P405 – Store locked up.

#### **Disposal**

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

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

---

CitroComplex™ Hair contains the following components classified as hazardous under the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200):

- Undecane (CAS# 1120-21-4)
- Tridecane (CAS# 629-50-5)

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

---

#### **Inhalation**

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or physician if feeling unwell. 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**

---

#### **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**

---

### **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**

---

### **7.1 Precautions for safe handling:**

Use only with adequate ventilation.

Avoid contact with skin and eyes.

Avoid formation and breathing of vapors and aerosols.

Do not eat, drink, smoke or use personal products when handling chemical substances.

Protection against fire and explosion: The product is combustible. Take precautionary measures against static discharges. Avoid all sources of ignition: heat, sparks, open flame. If exposed to fire, keep containers cool by spraying with water.

### **7.2 Conditions for safe storage, including any incompatibilities:**

Store material at room temperature in a tightly closed container under nitrogen.

Suitable materials for containers: Carbon steel (Iron).

Unsuitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE).

Storage stability: Storage temperature:  $\leq 30^{\circ}\text{C}$

### **7.3 Specific end use(s):**

Not applicable.

## **8. Exposure Controls/Personal Protection**

---

### **Control Parameters**

Contains no substances with occupational exposure limit values.

### **Personal protective equipment**

- **Respiratory protection:** 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

---

### Appearance

Form:	Liquid
Color:	No data available
Odor:	No data available
Melting point/freezing point:	No data available
Boiling point range:	No data available
Flash point:	88 ± 2° C (closed cup)
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:	No data available
Water solubility:	No data available
Other solubility:	No data available
pH:	No data available
Viscosity (dynamic):	No data available
Viscosity (kinematic):	No data available
Partition Coefficient (n-octanol:water):	No data available
Refractive Index:	No data available
Surface Tension:	No data available
Thermal decomposition:	No data available

## 10. Stability and Reactivity

---

### 10.1 Reactivity:

Can give off ignitable vapors when heated.

### 10.2 Chemical stability:

Stable under recommended storage and handling conditions.

### 10.3 Possibility of hazardous reactions:

None under normal conditions of use and storage.

### 10.4 Conditions to avoid:

See Section 7 - Handling and storage. Avoid all sources of ignition: heat, sparks, open flame.

**10.5 Materials to avoid:**

Strong oxidizing agents, strong reducing agents, strong bases.

**10.6 Hazardous decomposition products:**

None known.

**11. Toxicological Information**

---

<b>Acute toxicity:</b>	No data available. However, based on available information on the components product is not expected to be acutely toxic by the oral or dermal routes.
<b>(Dermal, Oral, Inhalation LD<sub>50</sub>)</b>	
<b>Skin corrosion/irritation:</b>	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>	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>	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>	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**

---

<b>Toxicity:</b>	No data available.
<b>Persistence and degradability:</b>	No data available.
<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**

---

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**

---

<b>DOT (US)</b>	Material considered to be Combustible Liquid
<b>IMDG</b>	No information available
<b>IATA</b>	No information available

### **15. Regulatory Information**

---

#### **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**

- Flammable
- Aspiration

#### **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**

---

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:** February 17, 2022