

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** VISIKOL® for Plant Biology™  
**Manufacturer:** Visikol, Inc.  
**Address:** 295 US Highway 22 East, Suite 10  
Whitehouse Station, NJ 08889  
**Emergency Phone:** (800) 615-VISI (8474)  
**Other calls:** (800) 615-VISI  
**PRODUCT USE:** Used as a clearing agent for plant biology.  
**PREPARED BY:** Visikol, Inc.

## SECTION 2: HAZARDS IDENTIFICATION

### Emergency Overview



**Hazards:** Harmful by ingestion, inhalation and contact with skin or eyes.

### NFPA Rating

**Health hazard:** 3

**Fire:** 3

**Reactivity Hazard:** 1

### POTENTIAL HEALTH EFFECTS

**EYES:** May cause eye irritation.

**SKIN:** May cause skin irritation with prolonged contact.

**INGESTION:** Harmful if swallowed, may cause dizziness or drowsiness.

**INHALATION:** Avoid breathing fumes. Use in well-ventilated area.

### CARCINOGENICITY

**OSHA:** N/A

**ACGIH:** N/A

**NTP:** N/A

**IARC:** N/A **OTHER:** N/A

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

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### **INGREDIENTS:**

| Component              | CAS Number | Concentration        |
|------------------------|------------|----------------------|
| 2,2,2-trichloroethanol | 115-20-8   | 1 – 40% <sup>1</sup> |
| Trichloroacetic acid   | 76-03-9    | 1 – 40% <sup>2</sup> |
| Methanol               | 67-56-1    | 5 – 60% <sup>3</sup> |
| Glycerol               | 56-81-5    | 1 – 40% <sup>4</sup> |

<sup>1,2,3,4</sup> – Exact concentrations withheld as trade secrets

## SECTION 4: FIRST AID MEASURES

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### **General advice**

Move out of the area in which the product, mist or vapors are present. Consult a physician if the product is ingested, inhaled or comes into contact with skin or eyes. Show this safety data sheet to the doctor in attendance.

### **If inhaled**

If inhaled, move person into fresh air. If not breathing, call 911 and give artificial respiration. Consult a physician.

### **In case of skin contact**

Immediately wash off with soap and plenty of water. Consult a physician.

### **In case of eye contact**

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

### **If swallowed**

Immediately rinse mouth with water. Do not swallow water used to rinse mouth. Never give anything by mouth to an unconscious person. Consult a physician.

## SECTION 5: FIRE-FIGHTING MEASURES

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### **Conditions of flammability**

Flash point: < 100°F – closed cup

### **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 firefighting if necessary.

**Hazardous combustion products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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**Personal precautions**

Use personal protective equipment including gloves, safety glasses, masks and lab coat or coveralls. Ventilate area. Avoid breathing vapors, mist or gas. Evacuate personnel outside or to safe areas.

**Environmental precautions**

Do not let product enter drains.

**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.

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## SECTION 7: HANDLING AND STORAGE

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**Precautions for safe handling**

Handle only with appropriate personal protective equipment. Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Avoid ingestion.

Transport only in a tightly closed container.

Do not smoke, eat or drink while handling product.

**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. The product is capable of absorbing moisture from the air.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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**Personal protective equipment**

**Hand protection**

Handle with gloves. Gloves must be inspected prior to use. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands after use or handling.

Recommended glove material: Nitrile rubber

This recommendation is advisory only and must be evaluated by an Industrial Hygienist familiar with the specific situation of anticipated use by our customers.

**Eye protection**

ANSI Z87.1 compliant safety glasses or equivalent.

**Skin and body protection**

A lab coat or coveralls should be used.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. Do not smoke, eat or drink in work area or while handling product.

Wash hands before breaks and at the end of workday.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE:** clear liquid

**ODOR:** slight, antiseptic

**ODOR THRESHOLD:** no data available

**PHYSICAL STATE:** liquid

**UPPER/LOWER FLAMMABLE OR EXPLOSIVE LIMITS:** no data available

**pH AS SUPPLIED:** not applicable

**FREEZING POINT:** no data available

**BOILING POINT:** no data available

**MELTING POINT:** no data available

**FLASH POINT:** < 100°F – closed cup

**AUTO-IGNITE TEMPERATURE:** no data available

**DECOMPOSITION TEMPERATURE:** no data available

**VAPOR PRESSURE (mmHg):** no data available

**VAPOR DENSITY (AIR = 1):** no data available

**RELATIVE DENSITY:** no data available

**VISCOSITY:** no data available

**PARTITION COEFFICIENT:** no data available

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** no data available

**EVAPORATION RATE:** no data available

**SOLUBILITY IN WATER:** no data available

**PERCENT SOLIDS BY WEIGHT:** no data available

**PERCENT VOLATILE:** no data available

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## SECTION 10: STABILITY AND REACTIVITY

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**Chemical stability**

Stable under recommended use, handling and storage conditions.

**Possibility of hazardous reactions**

Vapors may form explosive mixture with air.

**Conditions to avoid**

Avoid moisture, heat, flames and sparks

**Materials to avoid/Incompatible Materials**

Strong acids, Strong bases, Strong oxidizing agents, Strong reducing agents, Acid chlorides, Acid anhydrides.

**Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas

Other decomposition products - no data available

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## SECTION 11: TOXICOLOGICAL INFORMATION

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**Likely routes of exposure:** inhalation, ingestion, and contact with skin or eyes.

**Acute toxicity**

**Oral LD50**

1030 mg/kg, rat

**Inhalation LC50**

no data available

**Dermal LD50**

no data available

**Other information on acute toxicity**

no data available

**Skin corrosion/irritation**

**Serious eye damage/eye irritation**

**Respiratory or skin sensitization**

no data available

**Carcinogenicity**

IARC: 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: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity**

no data available

**Teratogenicity**

no data available

**Specific target organ toxicity - single exposure**

Ingestion - May cause drowsiness or dizziness.

**Specific target organ toxicity - repeated exposure**

no data available

**Aspiration hazard**

no data available

**Potential health effects**

**Inhalation** May be harmful if inhaled. Causes respiratory tract irritation. Vapors may cause drowsiness and dizziness.

**Ingestion** Toxic if swallowed.

**Skin** May be harmful if absorbed through skin. Causes skin irritation.

**Eyes** Causes eye irritation.

**Signs and Symptoms of Exposure**

Chemical, physical, and toxicological properties have not been thoroughly investigated.

**Synergistic effects**

no data available

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## SECTION 12: ECOLOGICAL INFORMATION

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**Toxicity**

No data available

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## SECTION 13: DISPOSAL CONSIDERATION

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Contact a licensed professional waste disposal service to dispose of this material. This product should be dissolved with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Do not dispose of material through sewer or septic systems.

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## SECTION 14: TRANSPORT INFORMATION

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**DOT (US)**

Not dangerous goods.

**IMDG**

Not dangerous goods.

**IATA**

Not dangerous goods.

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## SECTION 15: REGULATORY INFORMATION

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**OSHA Hazards**

Harmful by inhalation, ingestion, and contact with skin or eyes.

**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 threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**

Acute Health Hazard

**Massachusetts Right To Know Components**

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

**Pennsylvania Right To Know Components**

This product contains proprietary ingredients [see Section 3 above]

**New Jersey Right To Know Components**

This product contains proprietary ingredients.

**California Prop. 65 Components**

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

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## SECTION 16: OTHER INFORMATION

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**Date of Preparation/Last Revision:** November 9, 2018