SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **VISIKOL® for Plant Biology™**
Manufacturer: **Visikol, Inc.**
Address: **200 Homer Ave.**
Ashland, MA 01721
Emergency Phone: **(800) 615-8474**
Other calls: **(800) 615-8474**
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

INGREDIENTS:

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

[1],[2],[3],[4] – Exact concentrations withheld as trade secrets

SECTION 4: FIRST AID MEASURES

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 contract 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

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

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.

SECTION 7: HANDLING AND STORAGE

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.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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 (H2O = 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

SECTION 10: STABILITY AND REACTIVITY

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

SECTION 11: TOXICOLOGICAL INFORMATION

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

SECTION 12: ECOLOGICAL INFORMATION

Toxicity
No data available

SECTION 13: DISPOSAL CONSIDERATION

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.

SECTION 14: TRANSPORT INFORMATION

DOT (US)
Not dangerous goods.
IMDG
Not dangerous goods.
IATA
Not dangerous goods.

SECTION 15: REGULATORY INFORMATION

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.

SECTION 16: OTHER INFORMATION

Date of Preparation/Last Revision: October 10, 2024