


1. Identification

GHS Product Identifier: Thrivedo	Version #: 1.1
Synonyms:	Issue Date: 11/01/2019
	Revision Date: 10/31/2019
	Supersedes Date: 10/3/2018
CAS#: None	
Recommended Use: Auxiliary Soil and Plant Substance.	
Recommended Restrictions: Test compatibility of product with rubber or plastic components before use.	
Supplier: VERANO365, LLC 375 Commerce St. STE 100 Southlake, TX 76092 (817) 713-8387	
Emergency Phone #: CHEMTREC at (703) 527-3887 or 1-800-424-9300	Email: Qualitysupportv365@verano365.com

2. Hazard Identification

GHS Classification & Label Elements

Signal Word: Warning			
Type of Hazard		Category	Hazard Symbol
Physical Hazards	None		
Health Hazards	Acute Toxicity (Oral) Acute Toxicity (Dermal) Acute Toxicity (Inhalation) Skin Corrosion/Irritation Eye Damage/Irritation Respiratory/Skin Sensitization	Not Classified Not Classified Not Determined Category 2 Category 2A Not Classified	
Environmental Hazards		Not Classified	

Hazard Statement

- H315 – Causes skin irritation
- H319 – Causes serious eye irritation

Precautionary Statement

- Prevention
 - P264 – Wash face, hands and any exposed skin thoroughly after handling
 - P280 – Wear protective gloves and eye/face protection
 - P210 – Keep away from heat/sparks/open flames/hot surfaces. — No smoking

- Response
 - P302 + P352 IF ON SKIN: Wash with plenty of water
 - P321 – For specific treatment, see section 4.
 - P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 - P337 + P313 – If eye irritation persists: Get medical advice / attention
 - P332 + P313 – If skin irritation occurs: Get medical advice/attention
- Storage
 - None Known
- Disposal
 - None Known
- Hazards Not Otherwise Classified
 - None known

3. Composition / Information on Ingredients

Components	Common Synonyms	CAS#	Percent (by volume)
Proprietary blend of yeast extract and surfactants		Proprietary	23 - 26%
Chiral Diol	Hexylene glycol	107-41-5	2 – 5%

4. First Aid Measures

First Aid Procedures

- Inhalation
 - If breathing is affected, move to fresh air.
- Skin Contact
 - Rinse cautiously with water. If skin irritation occurs, get medical attention.
- Eye Contact
 - Rinse cautiously with water for several minutes. If the eye irritation persists, get medical attention.
- Ingestion
 - Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

Symptoms/Effects (Acute & Delayed)

- Inhalation, ingestion or skin contact may be delayed.

Treatment

- Treat symptomatically.

Notes to Physician

- None

General Information

- None

5. Fire-fighting Measures

Flammable Properties:

- Product is not flammable

Extinguishing Media:

Suitable	Do Not Use
<ul style="list-style-type: none"> • Water spray, fog or regular foam • Dry chemical powder • Carbon dioxide (CO₂) 	

Protection of Fire-fighters:

Specific Hazards Arising from the Chemical	Protective Equipment and Precautions
<ul style="list-style-type: none"> • None 	<ul style="list-style-type: none"> • Self-contained breathing apparatus (SCBA) and full protective gear.

Fighting Equipment/Instructions:

- As in any fire, wear self-contained breathing apparatus pressure – demand and full protective gear.

6. Accidental Release Measures

Personal Precautions and Protections

- Keep unnecessary personnel away. For personnel protection see Section 8 of the SDS.

Environmental Precautions

- Use appropriate containment to avoid contamination. Stop spill at source.
- Keep from entering storm sewers and ditches which lead to waterways.

Methods of Containment

- Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Use a water rinse for final clean-up.

Cleanup

- Dike the spilled area where possible. Small spills may be absorbed with sand or inert non-combustible absorbent pads. Collect product and place in suitable, covered, labeled containers. Never return spills in original containers for re-use.

7. Handling and Storage

Handling

- Avoid unnecessary long-term contact with skin, eyes and clothing. Do not taste or swallow. Use with adequate ventilation. Avoid unnecessary long term breathing mists or vapors. Remove and wash contaminated clothing and footwear before reuse. FOR COMMERCIAL AND INDUSTRY USE ONLY.

Storage and Incompatibilities

- Keep out of reach of children. Keep container(s) stored in cool, well-ventilated. Keep container tightly closed until ready for use. Avoid possible sources of ignition. Avoid long exposure to heat or cold.
- Store in a well-ventilated area away from incompatible materials (see Section 10 of the SDS). Keep container tightly closed and upright when not in use to prevent leakage.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits

Components	Limit Type	OSHA PEL	ACGIH TLV	NIOSH REL
Chiral Diol (Hexylene glycol)	PPM	25 PPM	ND	ND

Notes: PEL = Permissible Exposure Limit; PPM = Parts Per Million; REL = Recommended Exposure Limit; TVL = Threshold Limit Value; TWA = Time-Weighted Average. All Values are based on 2012 Standards.

Engineering Controls

- Ensure adequate ventilation, especially in confined areas. Eye wash stations and safety showers should be available to the work station location.

PPE

- Impervious chemical resistant gloves
- Goggles/face shield
- For higher level protection, use MSHA/NIOSH approved respiratory protection
- Cover-all, rubber aprons, or chemical protective clothing
- Impervious footwear (if situation requires)

General Hygiene

- Handle in accordance with good hygiene and safety practice.

9. Physical and Chemical Properties

Physical State	Liquid
Color	Dark Amber
Odor	Vinegar
Odor Threshold	Not available
pH	4.0 – 5.5
Melting Point/Freezing Point	Not available

Boiling Range	>100°C (>212°F)
Freezing Point	Not available
Flash Point	>93.3°C (>200°F)
Evaporation Rate	Same as water
Flammability (solid, gas)	Not available
Lower Explosive Limit (by volume)	Not available
Upper Explosive Limit (by volume)	Not available
Vapor Pressure	Not available
Vapor Density	Not available
Specific Gravity / Density	1.00 – 1.014
Bulk Density	8.33 – 8.67
Solubility(ies)	Soluble
Partition Coefficient (n-octanol/water)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available
Dynamic Viscosity Temperature	Not available

10. Stability and Reactivity

Reactivity

- Under normal conditions, chemical reactions will not occur.

Chemical Stability

- Stable under normal conditions of use.

Possibility of Hazardous Reactions

- No data available.

Conditions to Avoid

- Isolate from extreme heat and open flame.



Incompatible
Materials

- Strong acids, bases, oxidative agents and quaternary disinfectants can degrade/inactivate product. Test the compatibility of the product with rubber, plastic or metal components and acids before use.

Hazardous
Decomposition
Products

- Carbon monoxide and sulfur oxides may be released at thermal decomposition.

11. Toxicological Information

Routes of
Exposure

- Eye Contact – Can cause eye irritation.
- Skin Contact – Can cause skin irritation.
- Ingestion – Swallowing can cause abdominal irritation, nausea, vomiting and diarrhea.
- Inhalation – No data.

Toxicological
Effects

- None.

Mutagenicity

- This product is not reported to produce mutagenic effects in humans.

Carcinogenicity

- Not listed by ACGIH, IARC, NTP or CA Prop 65

Reproductive
Toxicity

- This product is not reported to cause reproductive effects in humans.

Specific Target
Organ Toxicity-
Single Exposure

- See routes of exposure.

Specific Target
Organ Toxicity-
Repeated Exposure

- No data available at this time

Aspiration Hazard

- No data available at this time.

12. Ecological Information

Eco toxicity

- No Data

Persistence and
Degradability

- Product is expected to be biodegradable.

Bio accumulative
Potential

- Product not expected to bioaccumulate.

Mobility in Soil

- Mobility of this material has not been determined.

Water Solubility

- Product is expected to be soluble in water.

Other Adverse
Effects

- No data available at this time.

13. Disposal Considerations

Disposal Methods

- Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for classification determinations are listed in 40 CFR 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
- Do not dispose of on land, in surface waters, or in storm drains. Waste should be recycled or disposed of in accordance with regulations. Large amounts should be collected for reuse or consigned to licensed hazardous waste haulers for disposal.

Regulations

- Dispose in accordance with all applicable regulations.

Waste from Residues/
Unused Products

- Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. The material and its container must be disposed of in a safe manner.

Hazardous Waste
Code

- The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Contaminated
Packaging

- Follow container label warnings. Containers should be taken to an approved waste handling site for appropriate disposal.

14. Transport Information

DOT

- Not regulated

15. Regulatory Information

US Federal
Regulations

TSCA Section 12(b)
Export Notification
(40 CFR 707, Subpt. D)

- None listed

US. OSHA Specifically
Regulated Substances
(29 CFR 1910.1001-
1050)

- None listed

CERCLA (Superfund)
Reportable Quantities

- None listed

Superfund Amendments
And Reauthorization
Act of 1986 (SARA)

- SARA 302 Components – None listed.
- SARA 311/312 – Refer to Section 2: Hazard Identification of this SDS for classification of substance.
- SARA 313 Components – None Listed.

Clean Air Act (CAA)
Section 112
Hazardous Air
Pollutants (HAPs)
List

- None listed

Clean Air Act (CAA)
Section 112(r)
Accidental Release
Prevention
(40 CFR 68.130)

- None listed.

Safe Drinking Water
Act (SDWA)

- None listed.

16. Other Information

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References: NA

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