


1. Identification

GHS Product Identifier: Cultivata	Version #: 1.0
Synonyms:	Issue Date: 9/28/2020
	Revision Date: NA
	Supersedes Date: NA
CAS#: None	
Recommended Use: Cultivata is a mixture intended to be a wetting agent	
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: Danger			
Type of Hazard		Category	Hazard Symbol
Physical Hazards	None		
Health Hazards	Acute toxicity (oral) Serious eye damage	Category 4 Category 1	
Environmental Hazards		Not Classified	

Hazard Statement

- H302 – Harmful if Swallowed
- H318 – Causes serious eye damage

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
 - P501 – Dispose of contents/ container to an approved waste disposal plant
- Hazards Not Otherwise Classified
 - None known

3. Composition / Information on Ingredients

Components	Common Synonyms	CAS#	Percent (by volume)
Isotridecanol, ethoxylated		9043-30-5	99%

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:

- NFPA Class IIIB combustible liquid

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

- Take precautionary measures against static discharges.
- 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

Exposure limits

- There are no exposure limits established for this product. Trace amounts of ethylene oxide may be present in this product., The ethylene oxide in this product is not expected to result in significant exposures or present a health hazard.

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	Clear to light hazy
Odor	Mild
Odor Threshold	Not available
pH	4.0 – 6.0
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	0.988 – 1.000
Bulk Density	8.24 – 8.345
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

- Reacts slowly with air or oxygen. Storage under heated conditions in the presence of air or oxygen increases reaction rate. For example, after storing at 95°F/35°C for 30 days in the presence of air, there is measurable oxidation of the ethoxylate. Lower

temperatures will allow for longer storage time and higher temperatures will shorten the storage time if stored under an air or oxygen atmosphere.

Incompatible
Materials

- Can react with strong oxidizers, inorganic acids, and halogens. Test the compatibility of the product with rubber, plastic or metal components and acids before use.

Hazardous
Decomposition
Products

- When storing this product in air or oxygen, decomposition may occur, generating vapors which could be irritating. Ensure adequate ventilation, especially in confined areas. Oxidation is not expected when stored under a nitrogen atmosphere.

11. Toxicological Information

Routes of
Exposure

- Acute dermal toxicity
 - No data available.
- Acute inhalation toxicity
 - LC50 value expected to exceed the saturated vapour concentration in air.
- Acute oral toxicity
 - LD50 Rat: 300-2,000 mg/kg
- Skin corrosion/irritation
 - Primary irritation (Rabbit): 4 hours; 4.1 – 4.6 (Max. score is 8.0)
 - Test substance: MARLIPAL O13/60 & MARIPAL O13/90.
- Serious eye damage/eye irritation
 - Primary irritation (Rabbit): 35.6 – 42.1 (Max. score is 110)
 - Test substance: MARLIPAL O13/60 & MARIPAL O13/90.

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

- Toxicity to fish
 - LC50 (Danio rerio (zebra fish)) 96 hours: 12 mg/l; OECD Test Guideline 204 Test substance: C13-9 Ethoxylate
- Toxicity to aquatic invertebrates
 - EC50 (Daphnia magna (Water flea)) 48 hours: 4.7 mg/l; OECD Test Guideline 202 Test substance: C13-9 Ethoxylate.
- Toxicity to algae
 - ErC50 (Desmodesmus subspicatus (green algae)) 72 hours: 17 mg/l; OECD Test Guideline 201.

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

- Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, triple-rinsed, properly bunged and promptly returned to a drum reconditioner, or properly disposed.

14. Transport Information

DOT

- Not regulated

15. Regulatory Information

US Federal
Regulations

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

- Isotridecanol, ethoxylated 9043-30-5
All chemical substances in this product are either on the TSCA Active Inventory, or in compliance with the inventory.

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

Issue Date: 9/28/2020

Revision Date: NA

Version #: 1.0

References: NA

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