

Issue Date 19-Jul-2018

SECTION 1: Identification

1.1. Identification

GHS Product Identifier	TC and PrairiOXTM brands of Natural Mixed Tocophero Is to include but not limited to: 70 Natural Mixed Tocopherols 50 Natural Mixed Tocopherols 80 Natural Mixed Tocopherols 90G Gamma Natural Mixed Tocopherols 80D Delta Natural Mixed Tocopherols Tocopherol Delta Rich Tocophero I Gamma Rich IP TC90G Natural Mixed Tocopherols IP TC80D Natural Mixed Tocopherols 90 Natural Mixed Tocopherols
Product Number	300087 , 300088 , 300089 , 3000105, 3000125, 300126,300136 , 300137, 30155 , 300162 , 300163, 300164
Other means of identification Chemical Formula	Natural Mixed Tocopherol Concentrates. d-alpha tocopherol C29 H50 O2 d-beta tocopherol C28 H46 O2 d-gamma tocopherol C28 H44 O2 d-delta tocopherol C21 H46 O2
Cas Number	59-02-9 , 1698-35-4, 54-28-4 , 119-13-1,800-21-6
EC Number	No data available.

1.2. Recommended use and restrictions on use

Recommended Use : Dietary supplement, antioxidant.

1.3. Supplier

Camden-Grey Essential Oils, Inc.
5751 Halifax Ave., Unit 2
Fort Myers, FL 33912
www.camdengrey.com

1.4. Emergency telephone numbe

Emergency number : Chemtrec -1.800-262-8200/ 1-703-741-5500

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

GHS Classification of the substance or mixture
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Not a hazardous substance or mixture.

2.2 GHS Label elements, including precautionary statements

GHS Label elements, including precautionary statements Not a hazardous substance or mixture

2.3 Other hazards which do not result in classification

Hazards not otherwise classified or not covered by GHS None

SECTION 3: Composition/information on ingredients

3.1 Substance

Chemical Name : Natural Mixed Tocopherols Concentrates

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Formula	d-alpha tocopherol C29 H50 O2 d-beta tocopherol C28 H46 O2 d-gamma tocopherol C28 H46 O2 d-delta tocopherol C27 H46 O2
Cas Number Components	59-02-9, 1698-35-4, 54-28-4, 119-13-1, 800-21-6

<u>Component</u>	<u>Classification</u>	<u>Concentration</u>
Mixed Tocopherols, Natural	None	50% - 100 %
Sunflower Seed Oil	None	0% - 50%

SECTION 4: First-aid measures

4.1 Description of first aid measures

If inhaled	Remove person to fresh air. If symptoms persist consult a physician.
In case of skin contact	Take off contaminated clothing and shoes immediately. Wash with soap and copious amounts of water. If symptoms persist after washing promptly seek appropriate medical attention.
In case of eye contact	Flush with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye lids wide open while rinsing. If symptoms persist after washing promptly seek appropriate medical attention.
If ingested	Rinse mouth out with water. Never give liquid to an unconscious person. Do not give milk or alcoholic beverages. If greater than 1/2 liter (pint) is ingested promptly seek appropriate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling section 2.2. Direct contact with eyes may cause temporary irritation.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

No data available.

Note to physicians: Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water fog,
Appropriate foam,
Carbon dioxide,
Dry chemical.

Unsuitable extinguishing media

High volume water jet.

5.2 Specific hazards arising from the substance or mixture

No data available.

5.3 Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH for firefighters (approved or equivalent) and full protective gear.

5.4 Special precautions for fire fighters

Cool vessels and containers with sprayed water. Evacuate all personnel from the danger area. Keep away from sources of ignition.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Take up residue with absorbent material and dispose of in accordance with all local, state and federal regulations. Keep away from sources of ignition.

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6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and material for containment and cleaning up

This product is immiscible with water and will spread on the water surface. For large spills, dike far ahead of liquid spill for later disposal.

Cover liquid spill with sand, earth or other non-combustible absorbent material.

Take up residue with absorbent material and dispose of in accordance with all local, state and federal regulations.

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Wear all appropriate personal protective equipment. Avoid contact with skin, eyes and clothing.

Wash contaminated clothing before reuse.

Do not eat, drink or smoke when using this product.

Ensure good ventilation and local exhaust extraction in work place. Keep away from source of ignition.

Keep containers tightly closed when not in use.

7.2 Conditions for safe storage, including any incompatibilities

Store material in D.O.T. approved containers.

Follow all applicable local, state, and federal regulations. Recommended storage temperature: <25°C (<77°F).

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
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Sunflower oil	PEL 5 mg/m ³ , Respirable Fraction USA, OSHA TWA 10 mg/m ³ , Mist USA, NIOSH
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8.2 Appropriate engineering controls

Engineering Controls:

Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

8.3 Individual protection measures

Administrative Controls:

Handle in accordance with good industrial hygiene and safety practice. When workplace conditions warrant respirator use, follow a respiratory protection program that meets OSHA 29 CFR 1910.134, ANS I Z88.2, or MSHA 30 CFR 72.710 (where applicable). Use an air-supplied or air-purifying cartridge if the action level is exceeded. Ensure that the respirator has the appropriate protection factor for the exposure level. If cartridge type respirators are used, the cartridge must be appropriate for the chemical exposure (e.g., an organic vapor cartridge). For emergencies or instances with unknown exposure levels, use a self-contained breathing apparatus (SCBA).

Wear protective eyeglasses or chemical safety goggles, per OSHA eye and face protection regulations (29 CFR 1910.133).

Wear chemically protective gloves.

Wear a chemically protective suit, if necessary.

Wear flame retardant protective clothing.

Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Launder contaminated work clothes before reuse.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Pale yellow oily liquid.
Odour	No data available.
Odour Threshold	No data available.
pH	No data available.

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Melting point/freezing point	-28 °C (-18.4°F)
Initial boiling point and boiling point range	184°C (363.2F) at 0.1 mmHg.
Flash point.	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability	Lower flammability limit: No data available.
Or explosive limits	Upper flammability limit: No data available.
Vapour pressure	<0.0000001 hPa at 25°C (77°F) -lit.
Vapour density	No data available.
Relative density	0.95 g/cm ³ at 25°C (77°F) -lit.
Water solubility	Insoluble.
Partition coefficient: n-octanol/water	No data available.
Ignition Temperature	No data available.
Decomposition Temperature	No data available.
Viscosity , kinematic	No data available.
Molecular weight	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

10.2 Chemical stability

This material is stable at room temperature in closed containers under normal storage and handling conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Heat, flames and other sources of ignition. Temperature 35°C (95°F).
See section 7 - Handling and Storage.

10.5 Incompatible materials

None known during use and storage if used according to instructions.

10.6 Hazardous decomposition products

Decomposition products	No hazardous decomposition products if stored and handled as prescribed/indicated.
Thermal decomposition	No decomposition if stored and handled as prescribed/indicated.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity	No data available.
Skin corrosion/irritation	No data available.
Serious eye damage/eye irritation	No data available.
Respiratory or skin sensitization	No data available.
Germ cell mutagenicity	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.
Specific target organ toxicity - single exposure	No data available.

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Specific target organ toxicity - repeated exposure

No data available.

Aspiration hazard

No data available.

Information on the likely routes of exposure

No data available.

Symptoms related to the physical, chemical and toxicological characteristics.

To the best of our knowledge, the physical, chemical and toxicological properties have not been thoroughly investigated.

Delayed and immediate effects and also chronic effects from short and long-term exposure.

No data available.

Numeric measures of toxicity

No data available.

SECTION 12: Ecological information

12.1 Toxicity

No data available.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal Methods

Follow all applicable local, state, and federal regulations.

Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: Transport information

	DOT	IMDG	IATA
UN number			
UN proper shipping name	Not regulated goods	Not regulated goods	Not regulated goods
Transport hazard class			
Packing group			
Marine pollutant			

SECTION 15: Regulatory information

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title 111, 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 None.

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SECTION 16: Other information

	HMIS		NFPA
Health - Chronic			
Health Hazard	0	Health Hazard	0
Flammability	1	Fire Hazard	1
Physical	0	Reactivity	0

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