

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

1.1 Product Identifier:

Trade Name Vitamin E Linoleate
INCI Name Tocopheryl Linoleate/Oleate

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:

Product Use: Active ingredient in cosmetic and personal care applications

1.3 Details of the Supplier of the Safety Data Sheet:

TRI-K INDUSTRIES, INC.
2 Stewart Court
Denville, NJ 07834 USA
Information Phone Number: +1 (973) 298-8850
E-mail info@tri-k.com

1.4 Emergency Telephone Number:

Emergency Spill Information +1 (973) 298-8850 (TRI-K Industries, Inc.)
+1 (800) 222-1222 (National Poison Control Center)

24-HOUR EMERGENCY TELEPHONE NUMBER CHEMTREC +1 (800) 424-9300 or +1 (703) 527-3887

SDS Date of Preparation: June 1, 2015

SDS Date of Revision: March 29, 2021

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]:

The substance does not meet the criteria for a hazardous substance

Classification according to Directive 1999/45/EC [DPD]:

The substance does not meet the criteria for dangerous substances

2.2 Label Elements: Labeling according to Regulation (EC) No 1272/2008 [CLP]

Not applicable
Hazard Statement: Not applicable
Precautionary Statement: Not applicable

2.3 Other Hazards: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	EINECS#	DSD Classification (67/548/EEC)	CLP Classification (EC) No 1272/2008	%
dl- α -Tocopherol Linoleate	36148-84-2	N/A	Not classified as dangerous	Not classified as hazardous	>45%
dl- α -Tocopherol oleate	N/A	N/A	Not classified as dangerous	Not classified as hazardous	>20%

Additional information: For full text of H-statements and R-phrases: see SECTION 16

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures:

Eye Contact: Immediately wash eyes cautiously with clean running water for 15 minutes or more. (Remove contact lenses, if present and easy to do)

Skin Contact: Although it does not cause much harm, wash away thoroughly with soap after wipe cloth, paper, etc. If there is a change in appearance, or persists itching, pain, etc., get medical advice/attention.

Inhalation: Remove person to fresh air and keep comfortable for breathing.

Ingestion: Wash out mouth with water. If swallowed in large quantities induce vomiting and seek medical attention.

4.2 Most Important symptoms and effects, both acute and delayed:

No information.

4.3 Indication of any immediate medical attention and special treatment needed:

No immediate medical treatment normally needed.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media:

Dry chemical, CO₂, foam

5.2 Special Hazardous Arising from the Substance or Mixture:

Unsuitable Existing Media:

Straight water stream

5.3 Advice for Fire-Fighters:

Specific Fire Fighter Method:

Prohibit the entry of unauthorized person to the surrounding where the fire occurred.

Remove the container to safe area promptly, if it is movable.

Prevent the spread of fire by cooling the container, surrounding facilities, etc. with water spray.
Use appropriate firefighting methods depending on the situation of the surroundings.

Protection for Fire-Fighters:

Wear suitable protective equipment (heat resistant gloves, protective glasses, protective mask, self-contained breathing apparatus, heat resistant protective clothing, etc.) during firefighting.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Prohibit the entry of unauthorized person to the leakage area, by roping, etc. Wear appropriate protective equipment (protective clothing, protective gloves, etc.) when processing the leakage. Do not walk through the leakage.

6.2 Environmental Precautions:

Be careful not to discharge the leaked product or the contaminated waste water into the environment or sewer without appropriate treatment.

6.3 Methods and Material for Containment and Cleaning Up:

For large amount of leakage, prevent the spread with earth and sand. Lead the spill to safe area, and collect into empty container with suction machine. For small amount of leakage by using inert absorbent materials such as dry sands, oil treatment agent, etc. Collected materials should be disposed in compliance with the description of '13. Disposal Consideration'. Remove ignition sources in the surrounding immediately. Prepare the appropriate fire extinguisher, etc. just in case of ignition.

6.4 Reference to Other Sections:

Refer to Section 8 for protective equipment and Section 13 for disposal consideration.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Technical Measures:

Take measure described in '8: Exposure Controls and Personal Protective Equipment', and wear appropriate protective equipment.

Local Exhaust/General Ventilation:

Work at a well-ventilated place

Cautions for Safety Handling:

Caution: Flammable

Wear protective equipment when handling the product to avoid contacting with eyes, skin, and clothing.

Wash hands, etc. after handling.

7.2 Conditions for Safe Storage, Including any Incompatibilities:

Technical Measures:

Provide a ventilation and lighting required for storing and handling hazardous materials in the storage location.

Storage Condition:

Replace the inert gas and fill it, and keep tightly closed. Keep away from direct sunlight and high temperatures at storage.

Incompatible Materials:

No information

Container and Packaging Material:

Keep only in original container/packaging.

7.3 Specific end use(s): Active ingredient in cosmetic and personal care applications

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters:

Chemical Name	8.1.1 Occupational Exposure Limits:	8.1.2 Additional exposure limits under the conditions of use:	8.1.3 DNEL/DMEL and PNEC-Values:
Tocopheryl Linoleate/Oleate	No limits established	Not Available	Not Available

8.2 Exposure Controls:

8.2.1 Appropriate Engineering Controls: Provide hand wash and eyes wash facilities and safety shower near the handling place. Provide adequate ventilation.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection: Protective glasses.

Hand Protection: Protective gloves.

Body Protection: Protective clothing, safety long boots, etc.

Respiratory Protection: Appropriate protective mask as necessary.

Thermal Hazards: None required under normal conditions of use

Other: Do not eat, drink, or smoke when handling. Wash hands, etc. after handling. Protective clothing shall be inspected regularly.

8.2.3 Environmental Exposure Controls: Avoid direct releases to the environment

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic Physical and Chemical Properties:

Appearance: Pale yellow to yellow liquid	Vapor Pressure: Not determined
Odor: Peculiar odor	Vapor Density: Not determined
Odor Threshold: No data available	Specific Gravity: 0.920 – 0.936 @ ~ 20°C
pH: Not applicable	Water Solubility: Insoluble
Melting Point / freezing point: Not determined	Partition coefficient: n-octanol/water: Not Available
Boiling Point: 240 – 253°C / 1.33 Pa	Auto-ignition Temperature: Not Available
Flash Point (COC): 315°C	Decomposition Temperature: Not Available
Evaporation Rate: Not Applicable	Viscosity (cP): Not determined
Flammability (solid, gas): Not Applicable	Explosion Properties: None
Upper/lower flammability or explosive limits: Not Applicable	Oxidizing Properties: None

9.2 Other Information:

None

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

There is a possibility that it may be altered depending on the storage conditions.

10.2 Chemical Stability:

There is a possibility that it may be altered depending on the storage conditions.

10.3 Possibility of Hazardous Reactions:

It does not cause hazardous reaction under normal handling conditions.

10.4 Conditions to Avoid:

Exposure to air, sunlight and high temperature. Pay attention to fire.

10.5 Incompatible Materials:

No information.

10.6 Hazardous Decomposition Products:

No information

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Acute toxicity (Oral): No information.

Acute toxicity (Dermal): No information.

Acute toxicity (Inhalation: Gases): Classification not applicable because it is a liquid in the definition of GHS.

Acute toxicity (Inhalation: Vaporous): No information.

Acute toxicity (Inhalation: Dust and Mists): No information.

Skin Corrosion/ Irritation:

Serious Eye Damage/Eye Irritation: As the result of administration of 0.1 ml of substance to rabbit's eyes and observation at 24, 48, 72 hours, 4 and 7 days after, the effect on eyes were not observed.

Skin Sensitization: No information.

Germ Cell Mutagenicity: Mutagenicity was not observed in repair test and reverse mutation test using bacteria.

Carcinogenicity: No information.

Reproductive Toxicity: No information.

Specific Target Organ Toxicity (Single Exposure): No information.

Specific Target Organ Toxicity (Repeated Exposure): No information.

Aspiration Hazard: No information.

Others: No information

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

Hazards to the Aquatic Environment (Acute): No information.

Hazards to the aquatic Environment (Chronic): No information.

Hazardous to the Ozone Layer: Not contain ingredients listed in the Annex of the Montreal Protocol.

Other Adverse Effects: No information.

12.2 Persistence and Degradability:

Not available.

12.3 Bio accumulative Potential:

Not available

12.4 Mobility in Soil:

Not available

12.5 Results of PBT and vPvB Assessment:

Not available

12.6 Other Adverse Effects:

None known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

Residual Wastes:

In the disposal, follow the relevant laws and regulations and the standards of the local government. Entrust disposal to industrial waste disposal contractor who has received the permission of prefectural governor, or if the local government is performing waste disposal, entrust them disposal.

Contaminated Container and Packages:

Dispose container properly in accordance with relevant laws and regulations and the standards of the local regulations. When disposing the empty container, remove contents completely.

SECTION 14: TRANSPORT INFORMATION

	US DOT	EU land transport (ADR/RID/ADN)	Sea Transport (IMDG)	Air Transport (ICAO/IATA)
14.1 UN Number				
14.2 UN Proper Shipping Name	Not regulated	Not regulated	Not regulated	Not regulated
14.3 Transport Hazard Class(s)	Not applicable	Not applicable	Not applicable	Not applicable
14.4 Packing Group	-	-	-	-
14.5 Environmental Hazards	Not applicable	Not applicable	Not applicable	Not applicable
14.6 Special Precautions for user	None	None	None	None
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable	Not applicable	Not applicable	Not applicable

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:

EU EINECS/ELINCS/NLP:	All of the components of this product are listed on the EINECS Inventory.
Canada DSL/NDSL:	Oleate not listed on the DSL.
US TSCA	Not Applicable
Korea KECI:	Not Listed
China IECSC:	Oleate not listed on the IECSC.
Japan ENCS:	Oleate not listed on the Japanese Existing and New Chemical Substances Inventory.
Philippine PICCS:	Not Listed

Australia AICS:	Oleate not listed on the AICS.
New Zealand NZIoC:	Oleate not listed on the NZIoC.

15.2 Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: OTHER INFORMATION

16.1 Indication of Changes

Version 1 created on June 1, 2015.

Version 2 created on November 28, 2018

Version 3 created on May 29, 2019

Version 4 created on January 28, 2020

Version 5 created on March 29, 2021 – updated section 3 and section 15.1

16.2 List of Relevant R- phrases (number and full text):

Not applicable

16.3 Legal Disclaimer

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