

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

1.1 Product Identifier:

Trade Name Vitamin E Nicotinate
INCI Name Tocopheryl Nicotinate

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

Product Use: Recommended use of substance/preparation as ingredient in cosmetics applications

1.3 Details of the Supplier of the Safety Data Sheet:

Supplier: TRI-K INDUSTRIES, INC.
2 Stewart Court
Denville, NJ 07834
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: February 21, 2018

SDS Date of Revision: November 14, 2018

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-alpha Tocopheryl Nicotinate	86362-36-9	289-227-6	Not classified as dangerous	Not classified as hazardous	100

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: Wash immediately with plenty of water. Get immediate medical attention.

Skin Contact: Not harmful. Wipe with cloth or papers, etc. and wash with soap and water. If irritation occurs, get medical attention.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, administer mouth-to-mouth resuscitation. Get immediate medical attention.

Ingestion: If swallowed, vomit by putting fingers in the mouth. Get medical advice/attention.

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

Not available

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

Not available

SECTION 5: FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media:

Dry chemical, CO₂, foam, halon

5.2 Special Hazards Arising from the Substance or Mixture:

Unusual Fire and Explosion Hazards: Irrigation may cause fire expansion

Hazardous Decomposition Products: Not available

5.3 Advice for Fire-Fighters:

Special Fire Fighting Procedures:

Extinguish fire with foam, dry chemical powder or carbon dioxide extinguishing media. If extinguished by irrigation, take measures for preventing the leakage of matter. Keep unnecessary people away, isolate fire area and deny entry. If possible, shut out immediately the leakage of flammable matter and take away ignition matter. Wear protective firefighting gear and fireproof clothes for protection against possible exposure.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Keep unnecessary people away, isolate hazard area and deny entry. Wear personal protective clothing and equipment, see Section 8.

6.2 Environmental Precautions:

Ecological toxicity is not recognized

6.3 Methods and Material for Containment and Cleaning Up:

Collect spilled material in appropriate container for disposal. Wipe off spilled material with soft cloth or paper.

6.4 Reference to Other Sections:

Refer to Section 8 for protective equipment and Section 13 for disposal considerations

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Wear personal protective clothing and equipment, see Section 8. Avoid contact with eyes, skin and clothing. Almost harmless if contact. Wipe and wash thoroughly after handling.

7.2 Conditions for Safe Storage, Including any Incompatibilities:

Store and handle in accordance with all current regulations and standards. Store in a closed container. If possible, store in a well ventilated, cool, and dark space.

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 Nicotinate	No limits established	Not Available	Not Available

8.2 Exposure Controls:

8.2.1 Appropriate Engineering Controls: General mechanical ventilation is acceptable

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection: If necessary, wear chemical goggles with side splash protection

Hand Protection: Wear appropriate chemical resistant gloves

Body Protection: If necessary, wear appropriate chemical resistant clothing

Respiratory Protection: None required under normal conditions of use
Thermal Hazards: None required under normal conditions of use
Other: An eye wash facility should be available in the work area. Employees must practice good personal hygiene, washing exposed areas of the skin several times daily. Launder contaminated clothing before re-use.

8.2.3 Environmental Exposure Controls: Non-hazardous but avoid direct releases to the environment

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic Physical and Chemical Properties:

Appearance: Yellow to yellowish orange liquid or solid	Vapor Pressure: Not available
Odor: Slight characteristic odor	Vapor Density: Not available
Odor Threshold: Not available	Specific Gravity: Not available
pH: Not available	Water Solubility: Insoluble
Melting Point / freezing point: 38°C	Partition coefficient: n-octanol/water: 2.7
Boiling Point: 200 – 217°C/0.4Pa	Auto-ignition Temperature: Not Available
Flash Point (COC): 312°C	Decomposition Temperature: Not Available
Evaporation Rate: Not Available	Viscosity (cP): Not determined
Flammability (solid, gas): Not Applicable	Explosion Properties: None
Upper/lower flammability or explosive limits: Not Available	Oxidizing Properties: Not available

9.2 Other Information:

None

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

Not available

10.2 Chemical Stability:

Stable at standard temperatures and pressure

10.3 Possibility of Hazardous Reactions:

Not available

10.4 Conditions to Avoid:

Avoid exposure to high temperature, direct sunlight. If possible, keep in cool and dark space.

10.5 Incompatible Materials:

Avoid contact with strong oxidizing agents and strong acids

10.6 Hazardous Decomposition Products:
Not available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Acute toxicity: LD50>20g/kg (mouse oral), >15g/kg (mouse intramuscular), >20 g/kg (mouse subcutaneous), >1g/kg (mouse intravenous); LD50> 15g/kg (rat oral), >10g/kg (rat intramuscular), >15g/kg (rat subcutaneous), >0.25g/kg (rat intravenous)

Skin corrosion/irritation: Not available

Serious eye damage/eye irritation: Very slight irritation (rabbit eye mucous, observed at 24h, 48h, 72h, 4d, and 7d after 0.1ml administration)

Sensitization: Not available

Repeated dose toxicity: Not available

Carcinogenicity: Not available

Mutagenicity: Negative (Bacterial DNA repair, AMES test)

Germ cell mutagenicity: Not available

Toxicity for reproduction: No observed abnormality in mother's body. Observed death, growth depression or bleeding in neonatal infant (rat oral administered at 10% or 1% concentration in food from 14 days after gestation to 21 days after delivery).

Teratogenesis: Not available

Specific target organ/Whole body toxicity

Single exposure: Not available

Repeated exposure: No observed abnormality in general, blood, urea, and histological test (rat oral 3w, 100mg, 500mg, 1000mg/kg); no observed adverse effects (human 38 persons, oral 4-6w, 200mg/kg)

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity: No ecotoxicity data available

Acute (short-term) toxicity: N/A

Fish: N/A

Crustacea: N/A

Algae/aquatic plants: N/A

Other organisms: N/A

Chronic (long-term) toxicity: N/A

Fish: N/A

12.2 Persistence and Degradability:
Not available

12.3 Bioaccumulative Potential:
Not available

12.4 Mobility in Soil:
Not available

12.5 Impact on the ozone layer:
Not available

12.6 Environmental criteria:
None

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:
Dispose in accordance with local and federal environmental regulations

13.2 Contaminated Vessel and Package
Wash and recycle, or dispose in accordance with all applicable regulations.

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(es)				
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:

USA Federal Regulations:

TSCA Inventory	Not available
SARA 311/312 Hazard Categories	Not considered a hazard
SARA 313 Toxic Chemicals	None
SARA 302 Extremely Hazardous Substances	None
HMIS Rating	Health: 1 Flammability: 1 Reactivity: 0
California Proposition 65 Components	None

Japanese Federal Regulations:

CHRIP	MITI No. 9-952
Fire Defense Law	Correspond
PMD Act	Correspond ¹
Food Sanitation Act	None
Pollutant Release and Transfer Register (PRTR)	None
Poisonous and Deleterious Substance Control Law	None

EU Regulations:

EINECS	No. 289-227-6 (3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-1-benzopyran-6-yl nicotinate)
SVHC	None
Germany: Water Class Hazard (Wassergefährdungsklasse)	WGK 3 Storage Class: 11

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 02/21/2018
Version 2 created on 03/12/2018
Version 3 created on 05/24/2018
Version 4 created on 06/13/2018
Version 5 created on 11/14/2018

16.2 List of Relevant H and P codes (number and full text):

None

16.3 Other information:

1) Listed on "Japanese Pharmaceutical Codex."

Full description of some acronyms:

GHS – Globally Harmonized System of Classification and Labeling of Chemicals

CAS – Chemical Abstracts Service IMO-International Maritime Organization

IMDG – International Maritime Dangerous Goods IATA-International Air Transport Association

ICAO – International Civil Aviation Organization TSCA-Toxic Substance Control Act

SARA – Superfund Amendments and Reauthorization Act HMIS-Hazardous Materials Identification System

CHRIP – Chemical Risk Information Platform MITI-Ministry of International Trade and Industry

EINECS – the European Inventory of Existing Commercial Chemical Substances

SVHC – Substances of Very High Concern

PMD Act – Act on Securing Quality, Efficacy and Safety of Pharmaceuticals, Medical Devices, Regenerative and Cellular Therapy Products, Gene Therapy Products, and Cosmetics

16.4 Legal Disclaimer

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