

Material safety data sheet
According to EU Regulation 1907/2006 in the current version
VITAMIN E NATURAL

1. Identification of the substance/mixture and company

Trade name: Vitamin E Natural
Cosmetic antioxidant agent
INCI: Tocopherol, Helianthus annuus seed oil
CAS No. : 1406-66-2 / 8001-21-6
Utilization: Cosmetics, personal care products
Supplier company identification: **Elemental SRL**, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania
Tel/Fax: +40259-436.755, www.elemental.eu
Emergency: RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București.
International emergency number: +49 180 2273-112

2. Hazards Identification

2.1 Classification of the substance or mixture

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

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

Not required.

2.3 Other hazards

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

3. Declaration of ingredients

3.1 Substances

Not relevant (mixture).

3.2 Mixtures

Description of the mixture

Hazardous ingredients acc. to GHS: none.

Substance	CAS Numbers	Reach	Percentage
tocopherols	1406-66-2	01-2120087841-49-xxxx	Min 50%
sunflower oil refined	8001-21-6	na	Max 50%

Formula: Not applicable

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4. First aid measures

4.1. Description of first aid measures

General notes

In all cases of doubt, or when symptoms persist, seek medical advice.

In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

Not relevant.

Following skin contact

Rinse skin with water/shower.

Following eye contact

Irrigate copiously with clean, fresh water, holding the eyelids apart.

Following ingestion

Get medical advice/attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

None

5. Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing media: water spray, foam, alcohol resistant foam, dry extinguishing powder, BC-powder, carbon dioxide (CO₂)

Unsuitable extinguishing media: water jet.

5.2. Special hazards arising from the substance/mixture

Unusual Fire and Explosion Hazards: None known

5.3. Advice for firefighters

Special Fire Fighting Procedures: Move container from fire area if it can be done without risk.

Avoid inhalation of material or combustion by-products.

Stay upwind and keep out of low area. Wear self-contained breathing apparatus. Fight fire with normal precautions from a reasonable distance.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Not required.

For emergency responders: Not required.

Personal Protective Equipment: Protective goggles

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6.2. Environmental precautions

Environmental Protection Measures: Not required

6.3. Methods and material for containment and cleaning up

Advice on how to contain a spill

Bunding.

Advice on how to clean up a spill

Absorbent material (e.g. sand, diatomaceous earth, acid binder, universal binder, sawdust, etc.).

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal.

Ventilate affected area..

6.4. Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

7. Handling and storage

7.1. Precaution for safe handling

Recommendations

- measures to prevent fire as well as aerosol and dust generation

None.

- handling of incompatible substances or mixtures

No information available.

- keep away from

No information available.

Advice on general occupational hygiene

Wash hands after use.

Do not eat, drink and smoke in work areas.

7.2. Conditions for safe storage, including any incompatibilities

- specific designs for storage rooms or vessels

Recommended storage temperature: 5 – 25 °C.

- packaging compatibilities

Keep only in original container.

7.3. Specific and use(s)

Use(s): Cosmetic use.

8. Exposure controls / personal protection

8.1. Control parameters

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Not relevant

8.2. Exposure controls/ Personal Protective Equipment

Appropriate engineering controls:None.

Individual protection measures (personal protective equipment) Eye/face protection

Not required.

Skin protection - hand protection: Wear suitable gloves.

Respiratory protection: Not required.

Environmental exposure controls: Not required.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state liquid

Colour yellowish brown

Odour characteristic

pH (value) not determined

Melting point/freezing point not determined

Initial boiling point and boiling range not determined

Flash point >100 °C

Evaporation rate not determined

Flammability (solid, gas) not relevant, (fluid)

Explosive limits not determined

Vapour pressure not determined

Density not determined

Vapour density this information is not available

Relative density 0.931 – 0.95 at 20 °C (water = 1) (ISO 12185)

Solubility(ies)

- water solubility insoluble

Partition coefficient

- n-octanol/water (log KOW) this information is not available

Auto-ignition temperature not determined

Viscosity not determined

Explosive properties none

Oxidising properties none

9.2. Other information

Refractive index 1.488 – 1.5 (20 °C) (ISO 6320)

10. Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

10.2 Chemical stability

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The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

10.5 Incompatible materials

There is no additional information.

10.6 Hazardous decomposition products

Hazardous combustion products: see section 5.

11. Toxicological information

11.1. Information on toxicological effects

Information on toxicological effects

Test data are not available for the complete mixture.

Classification according to GHS (1272/2008/EC, CLP)

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

Acute toxicity

Acute toxicity of components of the mixture

Name of substance CAS No Exposure
route

Endpoint Value Species

tocopherols; tocopherol-rich extract 1406-66-2 oral LD50 $\geq 15,000$ mg/kg rat

tocopherols; tocopherol-rich extract 1406-66-2 dermal LD50 $> 5,000$ mg/kg rabbit

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Based on available data, the classification criteria are not met.

Carcinogenicity

Shall not be classified as carcinogenic.

Based on available data, the classification criteria are not met.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Based on available data, the classification criteria are not met.

Specific target organ toxicity - single exposure

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Shall not be classified as a specific target organ toxicant (single exposure).
Based on available data, the classification criteria are not met.
Specific target organ toxicity - repeated exposure
Shall not be classified as a specific target organ toxicant (repeated exposure).
Based on available data, the classification criteria are not met.
Aspiration hazard
Shall not be classified as presenting an aspiration hazard.
Based on available data, the classification criteria are not met.

12. Ecological information

12.1 Toxicity

Test data are not available for the complete mixture.
Shall not be classified as hazardous to the aquatic environment.
Aquatic toxicity (acute) of components of the mixture
Name of substance CAS No Endpoint Value Species Exposure time
tocopherols; tocopherol-rich extract
1406-66-2 LC50 >10 mg/l fish 96 h
tocopherols; tocopherol-rich extract
1406-66-2 LC0 >10 mg/l fish 96 h
tocopherols; tocopherol-rich extract
1406-66-2 EC50 >23.53 mg/l aquatic invertebrates 48 h
tocopherols; tocopherol-rich extract
1406-66-2 ErC50 >25.8 mg/l algae 72 h
Aquatic toxicity (chronic) of components of the mixture
Name of substance CAS No Endpoint Value Species Exposure time
tocopherols; tocopherol-rich extract
1406-66-2 EC50 >10,000 mg/l microorganisms 30 min

12.2 Persistence and degradability

Test data are not available for the complete mixture.
Degradability of components of the mixture
Name of substance CAS No Process Degradation rate Time
tocopherols; tocopherol-rich extract
1406-66-2 oxygen depletion 20 % 28 d

12.3 Bioaccumulative potential

Test data are not available for the complete mixture.

12.4 Mobility in soil

Test data are not available for the complete mixture.

12.5 Results of PBT and vPvB assessment

Test data are not available for the complete mixture.

12.6 Other adverse effects

Endocrine disrupting potential

Not listed.

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13. Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Recycling.

Sewage disposal-relevant information

Do not empty into drains.

Waste treatment of containers/packagings

Completely emptied packages can be recycled.

Remarks

Please consider the relevant national or regional provisions.

14. Transport information

14.1 UN number not subject to transport regulations

14.2 UN proper shipping name not relevant

14.3 Transport hazard class(es) none

14.4 Packing group not assigned to a packing group

14.5 Environmental hazards none

14.6 Special precautions for user

There is no additional information.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Not relevant.

Information for each of the UN Model Regulations

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)

Not subject to ADR, RID and ADN.

International Maritime Dangerous Goods Code (IMDG)

Not subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR)

Not subject to ICAO-IATA.

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Relevant provisions of the European Union (EU)

List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

none of the ingredients are listed

Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) - Annex II

none of the ingredients are listed

Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

none of the ingredients are listed

Water Framework Directive (WFD)

none of the ingredients are listed

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Regulation 98/2013/EU on the marketing and use of explosives precursors

none of the ingredients are listed

Regulation 111/2005/EC laying down rules for the monitoring of trade between the Community and third countries in drug precursors

none of the ingredients are listed

15.2 Chemical Safety Assessment

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

For the following substances of this mixture a chemical safety assessment has been carried out:

REACH registered substances: section 3.

16. Additional information

16.1 Abbreviations

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

LTE: Long-term exposure.

PNEC: Predicted No Effect Concentration.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STE: Short-term exposure.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.