

Safety Data Sheet

legal basis:

Commission regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name: Vitamin E acetate
REACH registration number: 01-2119457641-38-XXXX
Composition for label/Other name(s): D,L-alpha-tocopheryl acetate.,

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Uses:

cosmetics

Uses advised against:

other than named above

1.3. Details of the supplier of the safety data sheet

Name and address: Ecoflores
ul. Waksmundzka 34
34-400 Nowy Targ
Phone number: www.ecoflores.eu
Fax number: kontakt@ecoflores.eu
e-mail address for a competent person responsible for the safety data sheet: T: +48-604-508-229

1.4. Emergency telephone number

998 or 112, or contact with the nearest local Fire Department

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

General hazards

This product is not classified as hazardous according to current regulations

Health hazards

not applicable

Physical hazards

not applicable

Environmental hazards

not applicable

2.2. Label elements

Hazard pictograms:

Signal Word:

Signal word is not required

Hazard statements:

Produkt is not classified as hazardous according to obligatory regulation

Other hazards

This substance does not fulfill the PBT or vPvB criteria according to Annex XIII to REACH Regulation (EC) 1907/2006

SECTION 3: Composition/information on ingredients

3.1. Substances

Concentration value	Substance	CAS	EC	Index number	REACH registration number
> 98 %	D,L-alpha-tocopheryl acetate	7695-91-2	231-710-0	not applicable	01-2119457641-38-XXXX

SECTION 4: First aid measures

Vitamin E acetate

4.1. Description of first aid measures

Inhalation

Move the victim to fresh air. If any symptoms occur consult with a physician.

Skin contact

Remove all contaminated clothing. Wash off with soap and water. If any symptoms occur consult with a physician.

Eye contact

Remove contact lenses. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Ingestion

Do NOT induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person. If any symptoms occur consult with a physician.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms and effects:

Symptoms and effects

no data available

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

water spray jet, carbon dioxide (CO₂), extinguishing powder, foam

Unsuitable extinguishing media

solid water stream

5.2. Special hazards arising from the substance or mixture

Fire may produce: carbon oxides, carbon dioxide (CO₂)

5.3. Advice for firefighters

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Use respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

6.2. Environmental precautions

Do not allow contact with soil, surface or ground water. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Spills cover with absorbent, e.g. sand, Sawdust, Kieselguhr, Universal binder. Pick up and transfer to properly labelled containers. Transfer for disposal.

6.4. Reference to other sections

More information about suitable personal protective equipment is given in section 8.

Dispose of in accordance with the recommendations given in Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ensure suitable ventilation. Do not breathe vapours. Avoid eyes and skin contamination. Keep away from fire (No smoking). Keep away from heat, flame sparks and other ignition sources. Smoking, eating and drinking should be prohibited in the application area.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Store in original packaging. Protect from direct sunlight. Protect from heat.

Recommended storage temperature: < 30°C. Store away from incompatible materials (see section 10 of MSDS). Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from food, drink and animal feed.

7.3. Specific end use(s)

See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL value

D,L-alpha-tocopheryl acetate	DNEL value	for workers	dermal	Long-term exposure	Systemic effects	416,6 mg/kg bw/day
	DNEL value	for workers	inhalation	Long-term exposure	Systemic effects	73,5 mg/m ³
	DNEL value	for consumers	oral	Long-term exposure	Systemic effects	12,5 mg/kg bw/day
	DNEL value	for consumers	dermal	Long-term exposure	Systemic effects	250 mg/kg bw/day
	DNEL value	for consumers	inhalation	Long-term exposure	Systemic effects	21,7 mg/m ³

PNEC value

Vitamin E acetate

D,L-alpha-tocopheryl acetate	PNEC value	Fresh water	0,27 mg/l
	PNEC value	Marine water	0,027 mg/l
	PNEC value	Intermittent releases	0,27 mg/l
	PNEC value	Sediment (Fresh water)	212 g/kg
	PNEC value	Sediment (Marine water)	21 200 mg/kg
	PNEC value	Soil	74 800 mg/kg
	PNEC value	Sewage treatment plant (STP)	100 mg/l

Occupational exposure limits

Comments

For this product OELs value has not been established.

Poland. OELs - Regulation of the Minister of Family, Labour and Social Policy, of 12 June 2018; Journal of Laws 2018, item 1286 as amended.

Biological limit values comments

not available

Recommended monitoring procedures

Regulation of the Minister of Health on tests and measurements applicable for hazardous substances and other adverse factors which are present in the workplace, of 2 February 2011 (Journal of Laws No33, item 166).

8.2.Exposure controls

Appropriate engineering controls

Provide adequate ventilation.

Local exhaust ventilation.

Individual protection measures

Respiratory protection

Required if vapours or aerosol are released.

Eye /face protection

Safety glasses with side-shields conforming to EN166

Skin and hand protection

Protective gloves complying with EN 374. Nitril rubber gloves Layer thickness > 0,3mm

Other protection equipment

Protective clothing

Reference to regulations

Individual protection measures should satisfy the requirements specified in the Regulation of the Minister of Economy on basic requirements for personal protection controls, of 21 December 2005 (Journal of Laws No 259, item 2173).

General advice

Avoid eyes and skin contamination. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Avoid inhaling of vapors/gases/mist/aerosols.

Environ. exposure controls

not available

SECTION 9:Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid	
Appearance:	colorless to light-yellow or greenish-yellow	clear , viscous / oily
Odour:	no data available	Odour threshold: no data available
Melting point/freezing point:	-27,5 °C	
Boiling point or initial boiling point and boiling range:	224 °C	
Flammability:	no data available	
Lower and upper explosion limit:	no data available	
Flash point:	225,5 °C	Closed cup.
Auto-ignition temperature:	382 °C	
Decomposition temperature:	no data available	
pH:	no data available	

Vitamin E acetate

Kinematic viscosity:	no data available		
Solubility:	no data available		
Partition coefficient: n-octanol/water (log value):	no data available		
Vapour pressure:	no data available		
Density and/or relative density:	Relative density.	0,96	20 °C
Relative vapour density:	no data available		
Particle characteristics:	no data available		

9.2. Other information

Information with regard to physical hazard classes:	no data available		
Other safety characteristics:	no data available		

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Oxidizing agents.

10.6. Hazardous decomposition products

Carbon oxides. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity

D,L-alpha-tocopheryl acetate	LD50	> 10 000	Rat	OECD Test Guideline 401
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Acute dermal toxicity

D,L-alpha-tocopheryl acetate	LD50	> 3 000 mg/kg	Rabbit	OECD Test Guideline 402
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Acute inhalation toxicity

No data available.

Acute toxicity - other exposure routes

No data available.

Skin corrosion/irritation

D,L-alpha-tocopheryl acetate	Not irritating	Rabbit	OECD Test Guideline 404
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Serious eye damage/irritation

D,L-alpha-tocopheryl acetate	Not irritating	Rabbit	OECD Test Guideline 405
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Respiratory sensitisation

No data available.

Skin sensitisation

No data available.

Germ cell mutagenicity

D,L-alpha-tocopheryl acetate	In vitro mammalian cytogenetic test	OECD Test Guideline 473
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Summary

Vitamin E acetate

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

Carcinogenicity

D,L-alpha-tocopheryl acetate	Rat	OECD Test Guideline 453
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Summary

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

Reproductive toxicity

D,L-alpha-tocopheryl acetate	Rat	OECD Test Guideline 415
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Summary

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

STOT-single exposure

Summary

No data available.

STOT-repeated exposure

D,L-alpha-tocopheryl acetate	NOAEL	2 000 mg/kg	28 days	Rat	OECD Test Guideline 407
	NOAEL	500 mg/kg	13 weeks	Rat	OECD Test Guideline 408

Summary

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

Aspiration hazard

No data available.

Information on likely routes of exposure

No data available

Symptoms related to the physical, chemical and toxicological characteristics

no data available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

no data available

11.2. Information on other hazards

Other information

no data available

SECTION 12: Ecological information

12.1. Toxicity

D,L-alpha-tocopheryl acetate	Toxicity to fish	LC50	> 100 mg/l	96 h	Oncorhynchus mykiss (rainbow trout)	OECD Test Guideline 203
	Chronic toxicity to fish	NOEC	> 100 mg/l	28 days	Oncorhynchus mykiss (rainbow trout)	OECD Test Guideline 215
	Toxicity to daphnia	EC50	> 100 mg/l	48 h	Daphnia magna (Water flea)	OECD Test Guideline 202
	Toxicity to algae	EC50	> 100 mg/l	72 h	Pseudokirchnerie lla subcapitata (green algae)	OECD Test Guideline 201

12.2. Persistence and degradability

D,L-alpha-tocopheryl acetate	Biodegradability	17 %	28 days	OECD Test Guideline 301F
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Summary

Not readily biodegradable.

12.3. Bioaccumulative potential

Summary

no data available

12.4. Mobility in soil

Summary

no data available

12.5. Results of PBT and vPvB assessment

This substance does not fulfill the PBT or vPvB criteria according to Annex XIII to REACH Regulation (EC) 1907/2006

12.6. Endocrine disrupting properties

no data available

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12.7. Other adverse effects

Discharge into the environment must be avoided.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Comply with below named regulations:

Waste Disposal Law, of 14 December 2012 (Journal of Laws 2013, item 21), with further amendments.

Law on packages and spent packages, of 13 June 2013 (Journal of Laws 2013, item 888).

Regulation of the Minister of Environment on Wastes catalogue, of 9 December 2014 (Journal of Laws 2014, item 1923).

Suggested waste code: 16 03 06 Organic wastes other than those mentioned in 16 03 05.

Dispose of in accordance with current legislation concerning Waste disposal. Waste packaging should be recycled. Packaging that can not be cleaned, should be disposed of like the product.

SECTION 14: Transport information

14.1. UN number or ID number

Transport type	UN Number
ADR	N/A
RID	N/A
IMDG	N/A
ICAO	N/A
ADN	N/A

14.2. UN proper shipping name

Transport type	UN proper shipping name
ADR	not subject to transport regulations
RID	not subject to transport regulations
IMDG	not subject to transport regulations
ICAO	not subject to transport regulations
ADN	not subject to transport regulations

14.3. Transport hazard class(es)

Transport type	Transport hazard class:	Classification code:	Hazard identification number:	Tunnel restriction code:	Labels numbers:
ADR	not relevant	not relevant	not relevant	-	not relevant
RID	not relevant				not relevant
IMDG	not relevant				not relevant
ICAO	not relevant				not relevant
ADN	not relevant				not relevant

14.4. Packing group

Transport type	Packing group:
ADR	not relevant
RID	not relevant
IMDG	not relevant
ICAO	not relevant
ADN	not relevant

14.5. Environmental hazards

The product does not pose a hazard to the environment in accordance with the criteria of the UN Model Regulations.

14.6. Special precautions for user

not available

14.7. Maritime transport in bulk according to IMO instruments

not available

SECTION 15: Regulatory information

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

Law on chemical substances and mixtures thereof, of 14 January 2018 (Journal of Laws 2018, item 143).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (OJ L 353, 31.12.2008, p. 1).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH),

15.2. Chemical safety assessment

A Chemical Safety Assessment has been carried out for this substance.

Vitamin E acetate

SECTION 16: Other information

Changes of previous version

General revision

Key or legend to abbreviations and acronyms used in the safety data sheet

Ozone - Hazardous for the ozone layer
Ox. Liq. - Oxidising liquid
Skin Corr. - Skin corrosion
Acute Tox. - Acute toxicity
Met. Corr. - Substance or mixture corrosive to metals
Org. Perox. - Organic peroxide
Resp. Sens. - Respiratory sensitization
Skin Irrit. - Skin irritation
Lact. - Effects on or via lactation
NDS - Maximum permissible exposure level/concentration
NDSCH - Maximum short-term exposure level/concentration
NDSP - Maximum permissible ceiling exposure level/concentration
vPvB (Substance) - very persistent and very bioaccumulating
PBT (Substance) - persistent, bioaccumulating and toxic
LD50 - Lethal dose 50; dose/amount of a substance which kills 50 % of the test population
DNEL – Derived No Effect Level
PNEC – Predicted No Effect Concentration
LOEC - Lowest Observed Effect Concentration
NOEL - No Observed Effect Level
NOEC - No Observed Effect Concentration
ECX - Effective concentration; concentration of a substance which produces X % effect response
ADR – Agreement Concerning the International Carriage of Dangerous Goods by Road
ADN – Agreement Concerning the International Carriage of Dangerous Goods by Inland Waters
RID – Regulations Concerning the International Carriage of Dangerous Goods by Rail
Water-react. - Substance or mixture which in contact with water emits flammable gas
Ox. Sol. - Oxidising solid
LC50 - Lethal concentration; concentration of a substance which kills 50 % of the test population
IMDG – International Maritime Dangerous Goods Code
ICAO/IATA – International Civil Aviation Organization/International Air Transport Association
UVCB - Substances of Unknown or Variable composition, Complex reaction products or Biological materials
STOT RE - Specific target organ toxicity — repeated exposure
Expl. - Explosive
Flam. Gas - Flammable gas
Flam. Aerosol - Flammable aerosol
Ox. Gas - Oxidising gas
Press. Gas - Gases under pressure
Flam. Liq. - Flammable liquid
Flam. Sol. - Flammable solid
Self-react. - Self-reactive substance or mixture
Pyr. Liq. - Pyrophoric liquid
Pyr. Sol. - Pyrophoric solid
Self-heat. - Self-heating substance or mixture
Skin Sens. - Skin sensitization
Muta. - Germ cell mutagenicity
Carc. - Carcinogenicity
Repr. - Reproductive toxicity, Category 1A
STOT SE - Specific target organ toxicity — single exposure
Asp. Tox. - Aspiration hazard
Aquatic Acute - Hazardous to the aquatic environment - Acute
Aquatic Chronic - Hazardous to the aquatic environment - Chronic

Key literature references and sources for data

This safety data sheet has been prepared based on the MSDS provided by the manufacturer or / and internet databases and current regulations.

Advice on any training appropriate for workers to ensure protection of human health and the environment

People involved in the handling of the product should be trained in the handling, safety and hygiene.

List of relevant hazard statements and/or precautionary statements

not applicable

Produkt is not classified as hazardous according to obligatory regulation

Other Information

This safety data sheet is prepared to provide downstream users information about product.
The information contained in this safety data sheet refer to the product in the form in which it is delivered
This product is not classified as hazardous . Exposure scenarios are not required.
The data contained in this safety data sheet are based on our current knowledge and experience and describe the product in terms of safety requirements.
These data can not be considered in any case describe the product (as product specification).