

# Safety Data Sheet

## Vitamin E-Acetate (DL-alpha-tocopheryl acetate)

Revision date : 2025/07/31

Version: 7.0

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(30041054/SDS\_GEN\_MX/EN)

### 1. Identification

#### Product identifier used on the label

### Vitamin E-Acetate (DL-alpha-tocopheryl acetate)

#### Recommended use of the chemical and restriction on use

Recommended use\*: feed additive(s), food additive(s)

Unsuitable for use: Not intended for sale to or use by the general public.

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

#### Details of the supplier of the safety data sheet

##### Company:

BASF Mexicana S.A. de C.V.  
Av. Insurgentes Sur 975  
Col. CD. De Los Deportes,  
C.P. 03710 Ciudad de México  
MÉXICO

Telephone: +52 55 5325 2600

#### Emergency telephone number

##### 24 Hour Emergency Response Information

SETIQ: 1800-00-214-(Rep. Mexicana) or 55-59-15-88 (CDMX)

Telephone: +1-800-849-5204 or +1-833-229-1000

#### Other means of identification

Synonyms: 3,4-Dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-yl acetate

### 2. Hazards Identification

#### According to Regulation NOM-018-STPS-2015

#### Classification of the product

No need for classification according to GHS criteria for this product.

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### Label elements

The product does not require a hazard warning label in accordance with GHS criteria.

### Hazards not otherwise classified

High risk of slipping due to leakage/spillage of product.

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## 3. Composition / Information on Ingredients

### According to Regulation NOM-018-STPS-2015

Under the referenced regulation, this product does not contain any components classified for health hazards above the relevant cut off value.

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## 4. First-Aid Measures

### Description of first aid measures

#### General advice:

Remove contaminated clothing.

#### If inhaled:

Keep patient calm, remove to fresh air.

#### If on skin:

Wash thoroughly with soap and water

#### If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

#### If swallowed:

Rinse mouth and then drink 200-300 ml of water.

### Most important symptoms and effects, both acute and delayed

Symptoms: No data available.

Hazards: No applicable information available.

### Indication of any immediate medical attention and special treatment needed

#### Note to physician

Treatment:

Symptomatic treatment (decontamination, vital functions).

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## 5. Fire-Fighting Measures

### Extinguishing media

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Suitable extinguishing media:

water spray, carbon dioxide, dry powder, alcohol-resistant foam

Unsuitable extinguishing media for safety reasons:

water jet

### Special hazards arising from the substance or mixture

Hazards during fire-fighting:

harmful vapours, carbon oxides

Generation of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

### Advice for fire-fighters

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

### Further information:

Do not spray water directly on fire, product will float and could be reignited on surface of water.

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Cool endangered containers with water-spray.

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## 6. Accidental release measures

Further accidental release measures:

High risk of slipping due to leakage/spillage of product.

### Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Information regarding personal protective measures, see section 8.

### Environmental precautions

Do not discharge into drains/surface waters/groundwater.

### Methods and material for containment and cleaning up

For small amounts: Contain with absorbent material (e.g. sand, silica gel, acid binder, general purpose binder, sawdust).

For large amounts: Dike spillage. Pump off product.

Dispose of absorbed material in accordance with regulations.

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## 7. Handling and Storage

### Precautions for safe handling

No special measures necessary provided product is used correctly.

Protection against fire and explosion:

No explosion proofing necessary.

Take precautionary measures against static discharges. Avoid all sources of ignition: heat, sparks, open flame.

### Conditions for safe storage, including any incompatibilities

No applicable information available.

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Further information on storage conditions: Containers should be stored tightly sealed in a dry place. Protect against heat.

### 8. Exposure Controls/Personal Protection

No substance specific occupational exposure limits known.

#### Advice on system design:

Provide local exhaust ventilation to control vapours/mists.

#### Personal protective equipment

##### Respiratory protection:

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

##### Hand protection:

Wear chemical resistant protective gloves.

##### Eye protection:

Tightly fitting safety goggles (chemical goggles).

##### Body protection:

Body protection must be chosen based on level of activity and exposure.

##### General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Wash soiled clothing immediately.

### 9. Physical and Chemical Properties

Physical state:	liquid	
Form:	oily	
Odour:	almost odourless	
Colour:	colourless to amber	
pH value:	not soluble	
Melting point:	< -20 °C	
	Study scientifically not justified.	
Freezing point:	No data available.	
Boiling point:	( 1,013 hPa)	
	The substance / product decomposes therefore not determined., Study scientifically not justified.	
Flash point:	257 °C	(ISO 2719, closed cup)
Flammability:	hardly combustible	(derived from flash point)
Lower explosion limit:	For liquids not relevant for classification and labelling. The lower explosion point may be 5 - 15 °C below the flash point.	

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Upper explosion limit:	For liquids not relevant for classification and labelling.	
Autoignition:	382 °C	(DIN EN 14522)
Vapour pressure:	< 0.000001 hPa ( 25 °C)	(calculated)
Density:	0.98 g/cm3 ( 20 °C)	
Relative vapour density:	Literature data. approx. 16 ( 20 °C)	(calculated)
Partitioning coefficient n-octanol/water (log Pow):	12.25 ( 25 °C)	(calculated)
Self-ignition temperature:	Based on its structural properties the product is not classified as self-igniting.	
Thermal decomposition:	> 430 °C (DSC (DIN 51007))	
Viscosity, dynamic:	No data available.	
Viscosity, kinematic:	5,706 mm2/s ( 20 °C)	(OECD Guideline 114)
	701 mm2/s ( 40 °C)	(OECD Guideline 114)
Solubility in water:	< 0.8 mg/l ( 20 °C)	
	sparingly soluble	
Solubility (quantitative):	No applicable information available.	
Solubility (qualitative):	No applicable information available.	
Molecular weight:	472.75 g/mol	

### Particle characteristics

No applicable information available.

## 10. Stability and Reactivity

### Reactivity

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

Corrosion to metals:

No corrosive effect on metal.

Oxidizing properties:

Based on its structural properties the product is not classified as oxidizing.

Formation of flammable gases:	Remarks:	Forms no flammable gases in the presence of water.
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### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### Possibility of hazardous reactions

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

### Conditions to avoid

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Avoid direct sunlight. Avoid heat. Avoid electro-static discharge. Avoid all sources of ignition: heat, sparks, open flame.

### Incompatible materials

strong alkalis, strong oxidizing agents

### Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

> 430 °C (DSC (DIN 51007))

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## 11. Toxicological information

### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

### Acute Toxicity/Effects

#### Acute toxicity

Assessment of acute toxicity: In animal studies the substance is virtually nontoxic after a single skin contact. In animal studies the substance is virtually nontoxic after a single ingestion.

#### Oral

Type of value: LD50

Species: rat (male/female)

Value: > 10,000 mg/kg (similar to OECD guideline 401)

No mortality was observed.

#### Inhalation

No applicable information available.

#### Dermal

Type of value: LD50

Species: rat (male/female)

Value: > 3,000 mg/kg (similar to OECD guideline 402)

No mortality was observed.

#### Assessment other acute effects

Assessment of STOT single:

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

#### Irritation / corrosion

Assessment of irritating effects: Not irritating to eyes and skin.

#### Skin

Species: rabbit

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Result: non-irritant  
Method: OECD Guideline 404

### Eye

Species: rabbit  
Result: non-irritant  
Method: OECD Guideline 405

### Sensitization

Assessment of sensitization: Skin sensitizing effects were not observed in animal studies.

photo-allergy test

Species: guinea pig  
Result: Non-sensitizing.  
Method: other

### Aspiration Hazard

No aspiration hazard expected.

## **Chronic Toxicity/Effects**

### Repeated dose toxicity

Assessment of repeated dose toxicity: Causes mortality through prolonged or repeated exposure.

### Genetic toxicity

Assessment of mutagenicity: No mutagenic effect was found in various tests with bacteria and mammalian cell culture. The substance was not mutagenic in a test with mammals.

### Carcinogenicity

Assessment of carcinogenicity: In long-term studies in rats in which the substance was given by feed, a carcinogenic effect was not observed.

### Reproductive toxicity

Assessment of reproduction toxicity: The results of animal studies gave no indication of a fertility impairing effect.

### Teratogenicity

Assessment of teratogenicity: No indications of a developmental toxic / teratogenic effect were seen in animal studies.

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## **12. Ecological Information**

### **Toxicity**

#### Aquatic toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms. No toxic effects occur within the range of solubility. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

#### Toxicity to fish

LC50 (96 h) > 11 mg/l, Oncorhynchus mykiss (OECD Guideline 203, static)

The statement of the toxic effect relates to the analytically determined concentration. No toxic effects occur within the range of solubility.

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### Aquatic invertebrates

EC50 (48 h) > 20.6 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)

The statement of the toxic effect relates to the analytically determined concentration. No toxic effects occur within the range of solubility.

### Aquatic plants

EC50 (72 h) > 27.8 mg/l (growth rate), Pseudokirchneriella subcapitata (OECD Guideline 201, static)

The statement of the toxic effect relates to the analytically determined concentration. No toxic effects occur within the range of solubility.

### Chronic toxicity to fish

No observed effect concentration (28 d) > 100 mg/l, Oncorhynchus mykiss (OECD Guideline 215, semistatic)

### Chronic toxicity to aquatic invertebrates

Study scientifically not justified.

### Assessment of terrestrial toxicity

No data available.

## **Microorganisms/Effect on activated sludge**

### Toxicity to microorganisms

DIN EN ISO 8192 aquatic

activated sludge, domestic/EC20 (30 min): > 927 mg/l

The details of the toxic effect relate to the nominal concentration.

## **Persistence and degradability**

### Assessment biodegradation and elimination (H2O)

Moderately/partially biodegradable. Not readily biodegradable (by OECD criteria). The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

### Elimination information

30 - 40 % BOD of the ThOD (28 d) (OECD 301F; ISO 9408; 92/69/EWG, C.4-D) (aerobic, activated sludge, domestic)

### Assessment of stability in water

In contact with water the substance will hydrolyse slowly.

### Information on Stability in Water (Hydrolysis)

t<sub>1/2</sub> 326 d (25 °C, pH value 7), (calculated, pH 7)

## **Bioaccumulative potential**

### Assessment bioaccumulation potential

Accumulation in organisms is not to be expected.

## **Mobility in soil**

### Assessment transport between environmental compartments

The substance will slowly evaporate into the atmosphere from the water surface.

Adsorption to solid soil phase is expected.



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### Additional information

Other ecotoxicological advice:  
No data available.

## 13. Disposal considerations

### Waste disposal of substance:

Observe national and local legal requirements.

### Container disposal:

Uncontaminated packaging can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents. Use packages for recycling only when totally empty.

## 14. Transport Information

### Land transport

TDG

Not classified as a dangerous good under transport regulations

### Sea transport

IMDG

Not classified as a dangerous good under transport regulations

### Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

## 15. Regulatory Information

### Federal Regulations

Not applicable

### NFPA Hazard codes:

Health: 0      Fire: 1      Reactivity: 0      Special:

### HMIS III rating

Health: 0      Flammability: 1      Physical hazard: 0

## 16. Other Information

### SDS Prepared by:

BASF NA Product Regulations

SDS Prepared on: 2025/07/31

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This information is considered accurate but is not exhaustive and shall only be used as a guideline based on current knowledge of the chemical substance or mixture. Safety precautions suitable for the product must be applied.

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