

# Safety data sheet

## Dry Vitamin E-Acetate 50% DC

Revision date : 2006/06/26  
Version: 1.0

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(30041051/MDS\_GEN\_US/EN)

### 1. Substance/preparation and company identification

Company  
BASF CORPORATION  
100 Campus Drive  
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information  
CHEMTREC: 1-800-424-9300  
BASF HOTLINE: 1-800-832-HELP

### 2. Composition/information on ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
7695-91-2	40.0 - 60.0 %	Tocopheryl Acetate
9005-25-8	15.0 - 30.0 %	Corn starch
9000-70-8	15.0 - 30.0 %	Gelatin
57-50-1	3.0 - 7.0 %	Sucrose
7732-18-5	3.0 - 7.0 %	Water
1344-00-9	0.5 - 1.5 %	Sodium aluminosilicate

### 3. Hazard identification

#### Emergency overview

NO PARTICULAR HAZARDS KNOWN.  
Avoid contact with the skin, eyes and clothing.  
Avoid inhalation of dusts.  
Use with local exhaust ventilation.  
Wear a NIOSH-certified (or equivalent) particulate respirator.  
Wear safety glasses with side-shields.  
Wear chemical resistant protective gloves.  
Wear protective clothing.  
Eye wash fountains must be easily accessible.

#### Potential health effects

##### **Primary routes of exposure**

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

##### **Acute toxicity:**

*Information on: Tocopheryl Acetate*  
*Virtually nontoxic after a single ingestion.*

##### **Irritation:**

*Information on: Tocopheryl Acetate*  
*Not irritating to the skin. Not irritating to the eyes.*

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### **Sensitization:**

*Information on: Tocopheryl Acetate*

*Skin sensitizing effects were not observed in animal studies.*

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## 4. First-aid measures

### **General advice:**

Remove contaminated clothing.

### **If inhaled:**

If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

### **If on skin:**

Wash thoroughly with soap and water.

If irritation develops, seek medical attention.

### **If in eyes:**

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

If irritation develops, seek medical attention.

### **If swallowed:**

Rinse mouth and then drink plenty of water.

### **Note to physician**

Treatment: Symptomatic treatment (decontamination, vital functions).

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## 5. Fire-fighting measures

### **Suitable extinguishing media:**

water spray, carbon dioxide, dry extinguishing media, foam

### **Hazards during fire-fighting:**

No particular hazards known.

### **Protective equipment for fire-fighting:**

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

### **Further information:**

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

### **NFPA Hazard codes:**

Health : 1      Fire: 1      Reactivity: 0      Special:

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## 6. Accidental release measures

### **Personal precautions:**

Avoid dust formation.

### **Environmental precautions:**

Do not discharge into drains/surface waters/groundwater.

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### 7. Handling and storage

#### Handling

##### **General advice:**

Avoid dust formation. Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking.

##### **Protection against fire and explosion:**

The product is capable of dust explosion.

#### Storage

##### **General advice:**

Keep container tightly sealed. Protect contents from the effects of light. Protect against heat.

### 8. Exposure controls and personal protection

#### Components with workplace control parameters

Corn starch	OSHA	PEL 5 mg/m3 Respirable fraction ; PEL 15 mg/m3 Total dust ;
Sucrose	ACGIH	TWA value 10 mg/m3 ;
	OSHA	PEL 5 mg/m3 Respirable fraction ; PEL 15 mg/m3 Total dust ;
Sodium aluminosilicate	ACGIH	TWA value 10 mg/m3 ;
	ACGIH	TWA value 2 mg/m3 (aluminum (Al));

##### **Advice on system design:**

Provide local exhaust ventilation to control dust.

#### Personal protective equipment

##### **Respiratory protection:**

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

##### **Hand protection:**

Chemical resistant protective gloves, Consult with glove manufacturer for testing data.

##### **Eye protection:**

Safety glasses with side-shields and face shield.

##### **Body protection:**

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

##### **General safety and hygiene measures:**

Avoid inhalation of vapours/mists. Wear protective clothing as necessary to prevent contact.

### 9. Physical and chemical properties

Form:	powder
Odour:	almost odourless
Colour:	white
Bulk density:	approx. 500 kg/m3

#### *Information on: Tocopheryl Acetate*

Partitioning coefficient n-octanol/water (log Pow): 12.26 ( 25 °C) (calculated)

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Solubility in water: (approx. 35 - 40 °C) emulsifiable

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### 10. Stability and reactivity

**Substances to avoid:**

acids, alkalies

**Decomposition products:**

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

**Thermal decomposition:**

> 300 °C

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### 11. Toxicological information

**Oral:**

*Information on: Tocopheryl Acetate*

*LD50/rat/male/female: > 10,000 mg/kg (BASF-Test)*

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**Skin irritation:**

*Information on: Tocopheryl Acetate*

*rabbit: non-irritant (OECD Guideline 404)*

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**Eye irritation :**

*Information on: Tocopheryl Acetate*

*rabbit: non-irritant (OECD Guideline 405)*

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**Sensitization:**

*Information on: Tocopheryl Acetate*

*Guinea pig maximization test/guinea pig: Non-sensitizing.*

*Literature data.*

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**Genetic toxicity:**

*Information on: Tocopheryl Acetate*

*Most of the results from the numerous studies available show no evidence of a mutagenic effect.*

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**Reproductive toxicity:**

*Information on: Tocopheryl Acetate*

*The results of animal studies gave no indication of a fertility impairing effect.*

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**Developmental toxicity/teratogenicity:**

*Information on: Tocopheryl Acetate*

*Fetal toxicity was not observed in animal studies which were performed with methods that do not fulfill current guidelines.*

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### 12. Ecological information

*Information on: Tocopheryl Acetate*

*Test method: OECD 301F; ISO 9408; 92/69/EEC, C.4-D (aerobic), activated sludge, domestic*

*Method of analysis: BOD of the ThOD*

*Degree of elimination: 39 % (28 d)*

*Evaluation: 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.*

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*Information on: Tocopheryl Acetate calculated*

*Bioconcentration factor 3.2*

*Significant accumulation in organisms is not to be expected.*

*Information on: Tocopheryl Acetate*

*Acute and prolonged toxicity to fish:*

*DIN 38412 Part 15 static*

*golden orfe/LC50 (96 h): > 10,000 mg/l*

*Tested above maximum solubility. The details of the toxic effect relate to the nominal concentration.*

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*Information on: Tocopheryl Acetate*

*Acute toxicity to aquatic invertebrates:*

*Directive 79/831/EEC static*

*Daphnia magna/EC50 (48 h): > 500 mg/l*

*The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested. The details of the toxic effect relate to the nominal concentration.*

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*Information on: Tocopheryl Acetate*

*Toxicity to microorganisms:*

*DIN 38412 Part 27 (draft) aerobic*

*bacterium/EC10 (30 min): > 10,000 mg/l*

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

*DIN/EN/ISO 8192 aerobic*

*activated sludge, domestic/EC20 (30 min): 900 mg/l*

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### 13. Disposal considerations

**Waste disposal of substance:**

Do not discharge substance/product into sewer system.

Dispose of in accordance with national, state and local regulations.

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### 14. Transport information

**Land transport**

USDOT

Not classified as a dangerous good under transport regulations

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### 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

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## 15. Regulatory information

### Federal Regulations

#### Registration status:

TSCA, US

released / listed

#### OSHA hazard category:

Chronic target organ effects reported, ACGIH TLV established

**SARA hazard categories (EPCRA 311/312):** Acute, Chronic

### State regulations

#### State RTK

#### CAS Number

9005-25-8

57-50-1

1344-00-9

#### Chemical name

Corn starch

Sucrose

Sodium aluminosilicate

#### State RTK

MA, PA

MA, PA

PA

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## 16. Other information

### HMIS III rating

Health: 1

Flammability: 1

Physical hazard: 0

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

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### Local contact information

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