

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Dry Vitamin E Acetate 950 NS

0486884

Version 2.0

Revision Date 15.05.2013

Print Date 30.06.2014

### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : Dry Vitamin E Acetate 950 NS

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

Use of the Substance/Mixture : Ingredient for capsules and/or tablets

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

Company : DSM Nutritional Products (UK) Ltd.  
Heanor Gate  
αGB061EI0017  
Delves Road  
GB-DE75 7SG Heanor  
Telephone : +441773536500  
Telefax : +441773536600  
E-mail address : sds.nutritionalproducts@dsm.com  
Responsible/issuing person

#### 1.4 Emergency telephone number

+441773536623 / +41628662314

### 2. Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

##### Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

#### 2.3 Other hazards

Risk of dust explosion.

### 3. Composition/information on ingredients

Brief description of the product : Mixture (preparation) containing active ingredient and auxiliary substances

#### 3.2 Mixtures

Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

#### Further ingredients

Chemical Name	CAS-No.	Classification	GHS Classification	Concentration [%]
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	EC-No. Registration number			
<b><math>\alpha</math>-tocopheryl acetate</b>	<b>58-95-7 200-405-4</b>			$\geq 65 - \leq 80$
Silicic acid, calcium salt	1344-95-2 215-710-8			$\geq 5 - \leq 10$

### 4. First aid measures

#### 4.1 Description of first aid measures

- General advice : No hazards which require special first aid measures.
- If inhaled : Move to fresh air.  
If symptoms persist, call a physician.
- In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.
- In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.

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

- Symptoms : No specific symptoms known.

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

- Treatment : Treat symptomatically.

### 5. Firefighting measures

#### 5.1 Extinguishing media

- Suitable extinguishing media : Foam  
Water spray  
Dry chemical
- Unsuitable extinguishing media : High volume water jet

#### 5.2 Special hazards arising from the substance or mixture

- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

#### 5.3 Advice for firefighters

- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

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Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
Consider dust explosion hazard.

### 6. Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.  
Avoid dust formation.

#### 6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system.

#### 6.3 Methods and materials for containment and cleaning up

Sweep up and shovel.

#### 6.4 Reference to other sections

For personal protection see section 8.  
For disposal considerations see section 13.

### 7. Handling and storage

#### 7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.  
No special handling advice required.  
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Avoid dust formation.  
Provide appropriate exhaust ventilation at places where dust is formed.  
Take precautionary measures against static discharges.

#### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Protect against light.  
Protect from humidity.

: Keep container tightly closed and dry.

Advice on common storage : No special restrictions on storage with other products.

Storage temperature : < 25 °C

#### 7.3 Specific end use(s)

Specific use(s) : not applicable

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### 8. Exposure controls/personal protection

#### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

#### 8.2 Exposure controls

##### Personal protective equipment

- Respiratory protection : No personal respiratory protective equipment normally required.  
In case of high dust concentration use a dust mask applicable to local conditions.
- Hand protection : For prolonged or repeated contact use protective gloves.
- Eye protection : Safety glasses
- Skin and body protection : Protective suit
- Hygiene measures : General industrial hygiene practice.

### 9. Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

- Appearance : free flowing particles
- Colour : greyish - tan
- Odour : No information available.
- Odour Threshold : No information available.
- pH : no data available
- Melting point/range : not determined
- Boiling point/boiling range : not determined
- Flash point : not applicable
- Flammability (solid, gas) : Not classified as flammable as defined by the transport regulations.
- Vapour pressure : not applicable
- Relative vapour density : not applicable
- Density : not determined
- Water solubility : not determined
- Partition coefficient: n-octanol/water : not applicable
- Auto-ignition temperature : no data available
- Thermal decomposition : Decomposes on heating.  
Potential for exothermic hazard
- Explosive properties : Not explosive
- Oxidizing properties : no data available

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### 9.2 Other information

Combustibility index for deposited dust	: 4 ( 23 °C)
Dust explosion class	: The sample could not be ignited under test conditions (Hartmann tube). (Product sample, Median value of the tested sample 0,51 mm, Loss on drying 2,4 %)
Powder volume resistivity	: ca. 2E+11 Ohmm (Product sample, Median value of the tested sample 0,51 mm, Loss on drying 2,4 %) The material can accumulate static charge and can therefore cause electrical ignition.
Minimum ignition temperature of a dust/air mix	: 390 °C (Median value of the tested sample 0,51 mm) determined in the BAM oven

### 10. Stability and reactivity

#### 10.1 Reactivity

No hazards to be specially mentioned.

#### 10.2 Chemical stability

Stable under recommended storage conditions.

#### 10.3 Possibility of hazardous reactions

Dust may form explosive mixture in air.

#### 10.4 Conditions to avoid

Heat.

#### 10.5 Incompatible materials

Strong acids and strong bases  
Strong oxidizing agents

#### 10.6 Hazardous decomposition products

No decomposition if used as directed.

### 11. Toxicological information

#### 11.1 Information on toxicological effects

Acute oral toxicity	: LD50 (mouse): 5 000 mg/kg Information refers to the main component.
Skin corrosion/irritation	: Prolonged skin contact may cause skin irritation.
Serious eye damage/eye irritation	: Dust contact with the eyes can lead to mechanical irritation.
Respiratory or skin sensitisation	: no data available

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### Germ cell mutagenicity

Genotoxicity in vitro : not mutagenic (Ames test)  
Information refers to the main component.

Carcinogenicity : No indication for carcinogenicity known.

Reproductive toxicity : No indication for adverse effects on fertility known.

STOT - repeated exposure : NOAEL (Oral, rat) : 2 000 mg/kg bw/d  
Sub-chronic toxicity study (90-day)  
Information refers to the main component.  
(OECD Test Guideline 408)

## 12. Ecological information

### 12.1 Toxicity

Toxicity to fish : *Oncorhynchus mykiss* (rainbow trout)  
LC50 (96 h) > 100 mg/l  
(nominal concentration)  
Information refers to the main component.  
(OECD Test Guideline 203)

Toxicity to algae : *Scenedesmus capricornutum* (fresh water algae)  
EC50 (72 h) > 100 mg/l  
(nominal concentration)  
Information refers to the main component.  
(OECD Test Guideline 201)

### 12.2 Persistence and degradability

Biodegradability : Not readily biodegradable.  
54 % (28 d)  
(OECD Test Guideline 301F)  
Information refers to the main component.  
: Well inherently biodegradable.  
84 % (28 d)  
(OECD Test Guideline 302C)  
Information refers to the main component.

### 12.3 Bioaccumulative potential

Bioaccumulation : no data available  
Partition coefficient: n-  
octanol/water : not applicable

### 12.4 Mobility in soil

Distribution among  
environmental compartments : no data available

### 12.5 Results of PBT and vPvB assessment

Assessment : not applicable

### 12.6 Other adverse effects

Additional ecological : There is no data available for this product.

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information

### 13. Disposal considerations

#### 13.1 Waste treatment methods

Product : Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. Transport information

#### 14.1 UN number

**ADR**

Not dangerous goods

**RID**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

#### 14.2 Proper shipping name

**ADR**

Not dangerous goods

**RID**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

#### 14.3 Transport hazard class

**ADR**

Not dangerous goods

**RID**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

#### 14.4 Packing group

**ADR**

Not dangerous goods

**RID**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

#### 14.5 Environmental hazards

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### ADR

Not dangerous goods

### RID

Not dangerous goods

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

### 14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

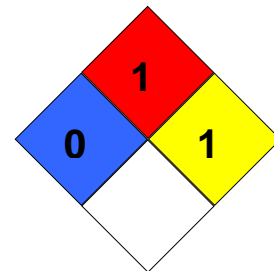
### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

no data available

## 15. Regulatory information

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

**NFPA Classification** : Health hazard: 0  
Fire Hazard: 1  
Reactivity Hazard: 1



### 15.2 Chemical Safety Assessment

not applicable

## 16. Other information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Abbreviations:** 67/548/EEC= Dangerous Substances Directive. 1999/45/EC= Dangerous Preparations Directive. Regulation (EC) No. 1272/2008= Regulation on classification, labelling and packaging of substances and mixtures. DNEL= Derived No-Effect Level. PNEC= Predicted No-Effect Concentration. NFPA= National Fire Protection Association (USA). IATA= International Air Transport Association. IMDG= International Maritime Dangerous Goods. RID= International Rule for Transport of Dangerous Substances by Railway; ADR= European Agreement concerning the International Carriage of Dangerous Goods by Road. TWA= Time Weighted Average. STEL= Short term exposure limit.