

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Dry Vitamin E 15% CC

5001285

Version 2.0

Revision Date 20.04.2012

Print Date 26.06.2014

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

#### 1.1 Product identifier

Trade name : Dry Vitamin E 15% CC

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

Use of the Substance/Mixture : For the fortification of foods

#### 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 according to Regulation (EC) No. 1272/2008.

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

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

#### 2.2 Label elements

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

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

#### 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			[%]
3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-yl acetate (dl- $\alpha$ -tocopheryl acetate)	7695-91-2 231-710-0 01- 2119457641-38			>= 15 - < 20

**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 in case of accidental inhalation of dust or fumes from overheating or combustion.  
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 : Water  
Foam

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

- Specific hazards during firefighting : None known.

**5.3 Advice for firefighters**

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

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### 6. Accidental release measures

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

Use personal protective equipment.  
Avoid dust formation.

#### 6.2 Environmental precautions

Try to prevent the material from entering drains or water courses.

#### 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.

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 uses

Specific use(s) : not applicable

### 8. Exposure controls/personal protection

#### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

#### 8.2 Exposure controls

**Personal protective equipment**

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Respiratory protection	: In case of high dust concentration use a dust mask applicable to local conditions. No personal respiratory protective equipment normally required.
Hand protection	: Glove material: for example nitrile rubber  : 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	: powder
Colour	: white - pale yellow
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 supporting combustion according to the transport regulations.
Vapour pressure	: not applicable
Relative vapour density	: not applicable
Density	: not determined
Water solubility	: dispersible
Partition coefficient: n-octanol/water	: not applicable
Thermal decomposition	: Decomposes on heating. Potential for exothermic hazard
Explosive properties	: no data available
Oxidizing properties	: no data available

### 9.2 Other information

Combustibility index for deposited dust	: 4 (ca. 22 °C)
Dust explosion properties	: KSt value: 150 m.bar/s (Milled sample, Median value of the tested sample 0,050 mm, Loss on drying 4,5 %; ISO 6184)
Dust explosion class	: St1 (Milled sample, Median value of the tested sample 0,050 mm, Loss on drying 4,5 %; ISO 6184)

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Maximum explosion overpressure	: 7,3 bar (Milled sample, Median value of the tested sample 0,050 mm, Loss on drying 4,5 %; ISO 6184)
Minimum ignition energy	: 10 - 30 mJ (Median value of the tested sample 0,046 mm, Loss on drying 4,5 %) The Minimum ignition energy (MIE) of a dust/air mix depends on the particle size the water content and the temperature of the dust. The finer and the dryer the dust the lower the MIE.
	: General remark: The indicated dust explosion characteristics are only valid for this product and are sensitive to the sample's parameters.
Powder volume resistivity	: ca. 2E+12 Ohmm (Product sample, Median value of the tested sample 0,140 mm, Loss on drying 4,5 %) The material can accumulate static charge and can therefore cause electrical ignition.
Minimum ignition temperature of a dust/air mix	: ca. 340 °C (Median value of the tested sample 0,140 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	: no data available
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	: no data available

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Germ cell mutagenicity

Genotoxicity in vitro : no data available

Carcinogenicity : This information is not available.

Reproductive toxicity : This information is not available.

STOT - repeated exposure : This information is not available.

Further information : Based on the nature of the product no relevant toxicity is expected.

## 12. Ecological information

### 12.1 Toxicity

No data is available on the product itself.

### 12.2 Persistence and degradability

Biodegradability : no data available

### 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 : This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).  
: This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

### 12.6 Other adverse effects

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

## 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.

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## 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

**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

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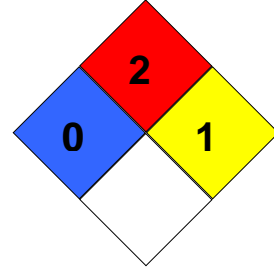
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not applicable

### 15. Regulatory information

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

**NFPA Classification** : Health hazard: 0  
Fire Hazard: 2  
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.