

## MATERIAL SAFETY DATA SHEET

### Vitamin E Acetate

#### Section 1 – Product Information

##### 1.1. Product identifier:

Product name: Vitamin E, DL- $\alpha$ -Tocopheryl Acetate 98%

#### Section 2 – Composition/information on ingredients

DL- $\alpha$ -Tocopheryl Acetate

CAS-No.: 7695-91-2

Chemical Formula: C<sub>31</sub>H<sub>52</sub>O<sub>3</sub>

Molecular Weight: 472.75

Synonyms: Vitamin E, Vitamin E acetate, dl- $\alpha$ -Tocopheryl Acetate

Chemical Name: 2H-1-Benzopyran-6-ol, 3,4-dihydro-2, 5, 7, 8-tetramethyl-2-[4,8,12-trimethyltodecyl]-, acetate

#### Section 3 – Hazards Identification

No hazardous product as specified in Directive 67/548/EEC.

#### Section 4 – First aid measures

##### 4.1 Description of first aid measures:

Inhalation: If symptomatic, move to fresh air. Get medical attention if symptoms persist

Skin contact: Wash with copious amounts of water. Get medical attention if symptoms persist

Eye contact: Any material that contacts the eyes should be washed out immediately with water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention if symptoms persist.

Note to physician: Treat symptomatically.

## Section 5 – Firefighting measures

### **5.1 Extinguishing media:**

Water spray, Dry Powder, or appropriate foam

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

#### ***Combustible:***

Development of hazardous combustion gases or vapours possible in the event of fire.

#### ***Special protective equipment for firefighting:***

Do not stay in dangerous zone without self-contained breathing apparatus.

#### ***Other information:***

Prevent fire-fighting water from entering surface water or groundwater.

## Section 6 – Accidental release measures

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

Do not inhale vapours/aerosols

### **6.2 Environmental precautions:**

Do not allow to flow into drainage systems

### **6.3 Methods and material for containment and cleaning up:**

Take up with liquid-absorbent material (e.g. Chemizor). Clean up affected area

## Section 7 – Handling and storage

### **7.1 Precautions for safe handling:**

Protect from light.

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

Tightly closed. Dry. In a well-ventilated place. At +15°C to +25°C. Accessible only for authorized persons. The data apply to the entire pack.

## Section 8 – Exposure Controls / Personal Protection

Personal protective equipment:	Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.
Respiratory protection:	Required when vapours/aerosols are generated.
Eye protection:	Required (safety glasses)
Hand protection:	Use recommended.
Industrial Hygiene:	Wash hands after working with substance. Change contaminated clothing. Wash hands after working with substance.

## Section 9 – Physical/Chemical Properties

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

Form:	Oily liquid
Colour:	Slightly greenish-yellow
Odour:	Characteristic
Melting point:	-27.5°C Boiling point: > 300 °C
Ignition temperature:	303°C
Flash point:	201°C
Explosion limits:	Lower not available. Upper not available
Density (20 °C):	0.96g/cm <sup>3</sup>
Solubility in water (20 °C):	Insoluble ether: Freely soluble
Thermal decomposition:	> 300 °C

## Section 10 – Stability and Reactivity

Conditions to be avoided:	Heating
Substances to be avoided:	No information available
Hazardous decomposition products:	No information available
Further information:	Light-sensitive

## Section 11 – Toxicological information

Acute toxicity:	LD 50 (oral, rat): >5000 mg/kg
Specific symptoms in animal studies:	Skin irritation test (rabbit): No irritation. Eye test (rabbit): No irritation
Subacute to chronic toxicity: Further toxicological information: Overdosage symptoms:	Bacterial mutagenicity: Ames-Test: negative. Special properties/effects: antioxidant. Overdosage symptoms due to this vitamin have not been observed in man. The literature and our own experience have not revealed any hazardous properties.
Further data:	No toxic effects are to be expected when the product is handled appropriately. The product should be handled with the care usual when dealing with chemicals.

## Section 12 – Ecological Information

Ecotoxic effects:	Quantitative data on the ecological effect of this product are not available.
Further ecologic data:	No ecological problems are to be expected when the product is handled and used with due care and attention.

## Section 13 – Disposal Considerations

Product:

There are no uniform regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the countries through corresponding laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

Packaging:

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

## Section 14 – Transport Information

Not subject to transport regulations.

According to IMDG/IMO, the product is not regular by IMDG/IMO, suitable for sailing transportation.

## Section 15 – Regulatory Information

Labelling:

No labelling necessary for dangerous goods.