



## Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Vitamin E Acetate USP Liquid

30-1032

### Section 1: Identification

**Product Name** Vitamin E Acetate USP Liquid  
**Commercial Name** dl- a-Tocopheryl Acetate  
**Product Use** for the enrichment of foods, ingredient in pharmaceutical preparations, various cosmetic products  
**Restrictions On Use** Not available.  
**Product Code** 30-1032  
**Company** PCCA  
9901 South Wilcrest  
Houston, TX 77099  
Phone: 1-800-331-2498  
Fax: 1-800-874-5760

In case of emergency contact:  
**CHEMTREC (24hr) 1-800-424-9300**

### Section 2: Hazard(s) Identification

**OSHA Haz Com:** Not available.  
**CFR 1910.1200**  
**Signal Word** NON-HAZARDOUS  
**Hazard Statement(s)** Not available.  
**Pictogram(s) or Symbol(s)**

#### Precautionary Statement(s):

**Prevention** Not available.  
**Response** Not available.  
**Storage** Not available.  
**Disposal** Not available.

### Section 3: Composition/Information on Ingredients

**Substance/Mixture** Substance  
**Components** 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-yl acetate (dl-a-tocopheryl acetate)  
**% By Weight** 96-100  
**CAS#** 7695-91-2  
**Molecular Weight** 472.73 g/mole  
**Chemical Formula** C<sub>31</sub>H<sub>52</sub>O<sub>3</sub>  
**Synonym(s)** DL-a-tocopherol acetate

Mixtures				
Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-yl acetate (dl-a-tocopheryl acetate)	7695-91-2	96-100	Not available.	ORAL (LD50):Acute: 4000mg/kg [Rat] and [Mouse]. DERMAL (LD50):Acute: 3000mg/kg [Rat].

**Section 4: First-Aid Measures**

<b>Inhalation</b>	Not available.
<b>Skin Contact</b>	In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse.
<b>Eye Contact</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid.
<b>Ingestion</b>	If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical aid.
<b>Symptoms/Effects</b>	
<b>Acute</b>	Not available.
<b>Delayed</b>	Not available.

**Immediate Medical Attention**

Persons with pre-existing skin, eye, or respiratory disease may be at increased risk from the irritant or allergic properties of this material. Attending physician should treat exposed patients symptomatically.

**Section 5: Fire-Fighting Measures****Suitable Extinguishing Media**

Use extinguishing media most appropriate for the surrounding fire.

**Unsuitable Extinguishing Media**

Not available

**Products of Combustion**

Not available

**Firefighters Special Equipment and Precautions**

Not available.

**Section 6: Accidental Release Measures**

Personal precautions, protective equipment and emergency procedures: No special precautions necessary. Environmental Precautions: Do not allow material to be released to the drains/surface waters/ groundwater without proper governmental permits. Methods and material for containment and cleaning up: For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). For large amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). Dispose of absorbed material in accordance with regulations.

**Section 7: Handling and Storage**

Precautions for safe handling: Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Classification of fires: B. Conditions for safe storage, including any incompatibilities: Light Sensitive. Store in a light resistant container. Keep container tightly closed. Keep container in a cool, well-ventilated area. Shelf life: On the basis of intact original package, it has a shelf life of 36 months under the condition above mentioned storage condition

**Section 8: Exposure Controls/Personal Protection**

<b>Exposure Limits</b>	Not available.
<b>Engineering Controls</b>	Use adequate ventilation to keep airborne concentrations low.
<b>Personal Protection</b>	Respiratory protection: If ventilation insufficient, use a respiratory protection apparatus. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. Hand protection: Protective gloves (EN 374); Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective glove should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves. Appropriate Material nitrile Material thickness > 0.3 mm Eye protection: Safety glasses (EN 166) Skin protection: Protective clothing General protective and hygiene measures: Do not inhale vapours. Avoid contact with eyes and skin. Wash thoroughly after work.

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	Colourless to slightly yellow clear viscous oil. Viscous liquid.		
<b>Odor</b>	Not available		
<b>Odor Threshold</b>	Not available.		
<b>Melting Point</b>	Not available.	<b>pH</b>	Not available.
<b>Freezing Point</b>	-27.5°C (-17.5°F)	<b>Vapor Pressure</b>	Not available
<b>Boiling Point/Range</b>	443°C (829.4°F)	<b>Vapor Density</b>	Not available.
<b>Decomposition temperature</b>	224 °C	<b>Viscosity</b>	Not available.
<b>Partition Coefficient: n-octanol/water</b>	Not available.	<b>Evaporation Rate</b>	Not available.
<b>Flash Point</b>	Not available	<b>Autoignition temperature</b>	Not available
<b>Flammability</b>	Not available.	<b>Flammability or Explosive Limits:</b>	
		<b>Lower</b>	Not available.
		<b>Upper</b>	Not available.
<b>Solubility(ies)</b>	Insoluble		
<b>Other</b>	Not available		

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	Stable under recommended storage and handling conditions
<b>Chemical Stability</b>	Stable under normal temperatures and pressures. Darkens on exposure to light.
<b>Hazardous Polymerization</b>	Not available.
<b>Conditions to Avoid</b>	Light, exposure to air, excess heat
<b>Incompatible Materials</b>	Strong-oxidizing agents
<b>Hazardous Decomposition Products</b>	Carbon monoxide, carbon dioxide

**Section 11: Toxicological Information****RTECS** GA8747000**Acute Toxicity**

Not available

**Skin Corrosion/Irritation**

non-irritant

**Serious Eye Damage/Irritation**

non-irritant

**Respiratory or Skin Sensitization**

Not available

**Germ Cell Mutagenicity**

Not available

**Carcinogenicity**

Not available

**Reproductive Toxicity**

Not available

**Routes of Entry**

Not available

**Symptoms Related to Exposure**

Not available.

**Potential Health Effects**

Not available

**Target Organ(s)**

Not available.

**Section 12: Ecological Information****Ecotoxicity**

Fish toxicity LC50 > 1000 mg/l Species *Leuciscus idus* Duration of exposure 6h Method DIN 38412 Part 15 Source BASF  
Remarks The product was tested above its maximum solubility. Remarks The details of the toxic effect relate to the nominal concentration. Daphnia toxicity EC50 > 500 mg/l Species *Daphnia magna* Duration of exposure 8h Method 79/831/EEC  
Source BASF Remarks The product is slightly soluble in the test medium. An aqueous preparation produced with the aid of solubilizers was tested. Remarks The details of the toxic effect relate to the nominal concentration. Algae toxicity Remarks No data available. Bacteria toxicity EC10 1000 mg/l Species *Pseudomonas putida* Duration of exposure 0min Method DIN 38412 T.27 Remarks The details of the toxic effect relate to the nominal concentration. EC20 00mg/l Species activated sludge  
Duration of exposure 0min Method ISO 8192 Source BASF

**Persistence and Degradability**

Value 9% Type BOD of the ThOD Duration of exposure 8d Source BASF Evaluation Moderately/partially biodegradable  
Remarks The product is not readily biodegradable according to OECD criteria but is inherently biodegradable. Remarks The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation

**Bioaccumulative Potential**

Not potentially bioaccumulative

**Mobility in Soil**

Not available

**Other Adverse Effects**

Not available

**Section 13: Disposal Considerations****Waste Disposal**

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

**Disposal of Container**

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

**Other Considerations**

Not available

**Section 14: Transport Information****DOT Classification**

Not available.

**Section 15: Regulatory Information****Regulations**

Safety, health and environmental regulations/legislation specific for the substance or mixture Other EU regulations: EU REGULATIONS Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances.  
Remarks:Annex I, part 1 + 2: not mentioned. With regard to possibly appropriate decomposition products see Chapter 10. US FEDERAL TSCA CAS# 7695-91-2 is listed on the TSCA inventory

**Other**

WHMIS Not controlled under WHMIS (Canada). (Canada);DSCL (EEC) R36/38- Irritating to eyes and skin. R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.;Gloves.;Lab coat.;Vapor respirator. Be sure to use an approved/certified respirator or equivalent.;Splash goggles.

**Section 16: Other Information**



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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: ACGIH = American Conference of Governmental Industrial Hygienists. CERCLA = Comprehensive Environmental Response, Compensation and Liability Act. CFR = Code of Federal Regulations. CPR = Controlled Products Regulations. DSL = Canadian Domestic Substance List. DOT = Department of Transportation. EINECS = European Inventory of New and Existing Chemical Substances. EPA = Environmental Protection Agency. HCS = Hazardous Communication Standard. HEPA = High Efficiency Particulate Air. HMIS = Hazardous Material Identification System. IARC = International Agency for Research on Cancer. IATA = International Air Transport Association. IMDG = International Maritime Dangerous Good. NFPA = National Fire Protection Association. NIOSH = National Institute of Occupational Safety and Health. NJTSR = New Jersey Trade Secret Registry. NTP = National Toxicology Program. OSHA = Occupational Safety and Health Administration. SARA = Superfund Amendments and Reauthorization Act. TDG = Transportation of Dangerous Goods. TLV = Threshold Limit Value. TSCA = Toxic Substance Control Act. WHMIS = Workplace Hazardous Materials Information System.