



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 Used in medicine, daily chemical industry.
Restrictions On Use No uses advised against
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 100
CAS# 7695-91-2
Molecular Weight 472.75 g/mole
Chemical Formula C₃₁H₅₂O₃
Synonym(s) DL-a-tocopherol acetate

Mixtures	CAS#	% by Weight	TLV/PEL	LC50/LD50
Name 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	100	Not available.	ORAL (LD50):Acute: 4000mg/kg [Rat] and [Mouse]. DERMAL (LD50):Acute: 3000mg/kg [Rat].

Section 4: First-Aid Measures

Inhalation	Not available.
Skin Contact	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.
Eye Contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid.
Ingestion	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.
Symptoms/Effects	
Acute	Not available.
Delayed	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

Exposure Limits	Not available.
Engineering Controls	Use adequate ventilation to keep airborne concentrations low.
Personal Protection	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

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

Section 10: Stability and Reactivity

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

Section 11: Toxicological Information

RTECS	GA8747000
Acute Toxicity	
Acute oral toxicity LD50	000mg/kg Species rat Source Merck
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.