

**Safety Data Sheet**

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

Section 1: Identification

Product Name Vitamin E Acetate 50% SD Powder (500 IU/GM)
Commercial Name Not available.
Product Use Ingredient for capsules and/or tablets
Restrictions On Use Not available
Product Code 30-1344
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: No need for classification according to GHS criteria for this product.
CFR 1910.1200
Signal Word WARNING
Hazard Statement(s) May form combustible dust concentrations in air.
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 Mixture
Components silicon dioxide (amorphous), 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-yl acetate(dl-a
% By Weight 1-5% and 50-60%
CAS# 7631-86-9, 7695-91-2
Molecular Weight 472.73 g/mole
Chemical Formula C₃₁H₅₂O₃
Synonym(s) DL-a-tocopherol acetate

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
silicon dioxide (amorphous)	7631-86-9	1 - 5	Not available.	Not available.
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	50 - 60	Not available	Not available

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Section 4: First-Aid Measures

Inhalation	Keep patient calm, remove to fresh air.
Skin Contact	Wash thoroughly with soap and water.
Eye Contact	Wash affected eyes for at least 15 minutes under running water with eyelids held open.
Ingestion	Rinse mouth and then drink 200-300 ml of water.
Symptoms/Effects	
Acute	Not available
Delayed	Not available
Immediate Medical Attention	
Symptomatic treatment (decontamination, vital functions).	

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

water spray, carbon dioxide, dry powder, alcohol-resistant foam

Unsuitable Extinguishing Media

Do not use water jet.

Products of Combustion

harmful vapours, carbon oxides Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Firefighters Special Equipment and Precautions

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Cool endangered containers with water-spray.

Section 6: Accidental Release Measures

Do not discharge into drains/surface waters/groundwater. For small amounts: Contain with absorbent material (e.g. sand, silica gel, acid binder, general purpose binder, sawdust). For large amounts: Dike spillage. Pump off product. Mop up spills with non-flammable adsorbents (e.g. vermiculite, spill mats). Soiled textiles / cleaning rags / adsorbents and Silica are capable of self ignition and should be wetted with water and must be disposed of in a safe manner. Dispose of absorbed material in accordance with regulations.

Section 7: Handling and Storage

Handling: No special measures necessary provided product is used correctly. Protection against fire and explosion: No explosion proofing necessary. Take precautionary measures against static discharges. Avoid all sources of ignition: heat, sparks, open flame. Soiled textiles / cleaning rags / adsorbents and Silica are capable of self ignition and should be wetted with water and must be disposed of in a safe manner. Storage: Containers should be stored tightly sealed in a dry place. Protect against heat. Suitable materials for containers: Stove-lacquer O 360, High density polyethylene (HDPE)

Section 8: Exposure Controls/Personal Protection

Exposure Limits	No occupational exposure limits known.
Engineering Controls	Provide local exhaust ventilation to control vapours/mists.
Personal Protection	Respiratory protection: Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator. Hand protection: Wear chemical resistant protective gloves. Eye protection: Tightly fitting safety goggles (chemical goggles). Body protection: Body protection must be chosen based on level of activity and exposure. General safety and hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Wash soiled clothing immediately.

Section 9: Physical and Chemical Properties

Appearance	Oily		
Odor	Almost odorless.		
Odor Threshold	Not available.		
Melting Point	Not available	pH	Not available.
Freezing Point	< -20 °C	Vapor Pressure	Not available.
Boiling Point/Range	> 300 °C	Vapor Density	Not available.
Decomposition temperature	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water	12.25 (25 °C)	Evaporation Rate	Not available.
Flash Point	257 °C	Autoignition temperature	382 °C
Flammability	hardly combustible	Flammability or Explosive Limits:	
		Lower	Not available.
		Upper	Not available.
Solubility(ies)	< 0.8 mg/l (20 °C) sparingly soluble		
Other	Density: 0.98 g/cm ³ (20 °C)		

Section 10: Stability and Reactivity

Reactivity	No hazardous reactions if stored and handled as prescribed/indicated.
Chemical Stability	The product is stable if stored and handled as prescribed/indicated.
Hazardous Polymerization	When finely distributed, self-ignition is possible.
Conditions to Avoid	Avoid direct sunlight. Avoid heat.
Incompatible Materials	strong alkalies, strong oxidizing agents
Hazardous Decomposition Products	No hazardous decomposition products if stored and handled as prescribed/indicated. Thermal decomposition: 430 °C (DSC (DIN 51007))

Section 11: Toxicological Information
RTECS GA8747000

Acute Toxicity

Acute toxicity Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact. Oral Type of value: LD50 Species: rat (male/female) Value: > 10,000 mg/kg (BASF-Test) Dermal Type of value: LD50 Species: rat Value: > 3,000 mg/kg (similar to OECD guideline 402)

Skin Corrosion/Irritation

Not irritating to the skin.

Serious Eye Damage/Irritation

Not irritating to the eyes.

Respiratory or Skin Sensitization

Skin sensitizing effects were not observed in animal studies.

Germ Cell Mutagenicity

No mutagenic effect was found in various tests with bacteria and mammals

Carcinogenicity

In long-term animal studies in which the substance was given in high doses by feed, a carcinogenic effect was not observed.

Reproductive Toxicity

The results of animal studies gave no indication of a fertility impairing effect.

Routes of Entry

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Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Symptoms Related to Exposure

Not available.

Potential Health Effects

Not available.

Target Organ(s) Not available.**Section 12: Ecological Information****Ecotoxicity**

There is a high probability that the product is not acutely harmful to aquatic organisms. No toxic effects occur within the range of solubility. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. Toxicity to fish LC50 (96 h) > 11 mg/l, *Oncorhynchus mykiss* (OECD Guideline 203, static) The statement of the toxic effect relates to the analytically determined concentration. No toxic effects occur within the range of solubility. Aquatic invertebrates EC50 (48 h) > 20.6 mg/l, *Daphnia magna* (OECD Guideline 202, part 1, static) The statement of the toxic effect relates to the analytically determined concentration. No toxic effects occur within the range of solubility. Aquatic plants EC50 (72 h) > 27.8 mg/l (growth rate), *Pseudokirchneriella subcapitata* (OECD Guideline 201, static) The statement of the toxic effect relates to the analytically determined concentration. No toxic effects occur within the range of solubility. Chronic toxicity to fish No observed effect concentration (28 d) > 100 mg/l, *Oncorhynchus mykiss* (OECD Guideline 215, semistatic) Chronic toxicity to aquatic invertebrates Study scientifically not justified.

Persistence and Degradability

Moderately/partially biodegradable. Not readily biodegradable (by OECD criteria). The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants. Elimination information 30 - 40 % BOD of the ThOD (28 d) (OECD 301F; ISO 9408; 92/69/EEC, C.4-D) (aerobic, activated sludge, domestic) Assessment of stability in water In contact with water the substance will hydrolyse slowly. Information on Stability in Water (Hydrolysis) t1/2 326 d (25 °C, pH value 7), (calculated, pH 7)

Bioaccumulative Potential

Accumulation in organisms is not to be expected.

Mobility in Soil

The substance will slowly evaporate into the atmosphere from the water surface. Adsorption to solid soil phase is expected.

Other Adverse Effects

Not available

Section 13: Disposal Considerations**Waste Disposal**

Do not discharge substance/product into sewer system. Dispose of in accordance with national, state and local regulations.

Disposal of Container

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

Other Considerations

Not available

Section 14: Transport Information**DOT Classification**

USDOT: Not classified as a dangerous good under transport regulations

Section 15: Regulatory Information**Regulations**

Registration status: Chemical TSCA, US released / listed Cosmetic TSCA, US released / exempt Food TSCA, US released / exempt EPCRA 311/312 (Hazard categories): Refer to SDS section 2 for GHS hazard classes applicable for this product.
NFPA Hazard codes: Health: 0 Fire: 1 Reactivity: 0 Special: HMIS III rating Health: 0 Flammability: 1
Physical hazard: 0



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Other

Not available.

Section 16: Other Information

The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.