



Safety Data Sheet

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

Vitamin A Palmitate (10,000 U/ML)

30-3172

Section 1: Identification

Product Name Vitamin A Palmitate (10,000 U/ML)

Commercial Name Not available.

Product Use Not available

Restrictions On Use Not available

Product Code 30-3172

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 WARNING

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 Vitamin A Palmitate (10,000 U/ML)

% By Weight N/A

CAS# N/A

Molecular Weight 524.87 g/mole

Chemical Formula C36-H60-O2

Synonym(s) Vitamin A Palmitate, Liquid in Oil; Retinol Palmitate 1.7 m.I.U./g without stabilizers, all-trans
Vitamin A Palmitate . 3,7-Dimethyl-9-(2,6,6-trimethyl-1-cyclohexene-1-yl)2,4,6,8-nonatetraene
Retinol Palmitate; Retinyl Palmitate

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Vitamin A Palmitate (10,000 U/ML)	79-81-2	N/A	Not available	Not available

Section 4: First-Aid Measures

Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Skin Contact	Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.
Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Symptoms/Effects

Acute	Slightly hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation.
Delayed	CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. TERATOGENIC EFFECTS: Classified POSSIBLE for human. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female, Reproductive system/toxin/male, Development toxin [POSSIBLE]. The substance may be toxic to liver, gastrointestinal tract, skin, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Immediate Medical Attention

Not available.

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

SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam.

Unsuitable Extinguishing Media

Do not use water jet.

Products of CombustionThese products are carbon oxides (CO, CO₂).**Firefighters Special Equipment and Precautions**

Not available.

Section 6: Accidental Release Measures

SMALL SPILL: Absorb with an inert material and put the spilled material in an appropriate waste disposal. LARGE SPILL: If the product is in its solid form: Use a shovel to put the material into a convenient waste disposal container. If the product is in its liquid form: Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Handling: Keep locked up.. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/vapor/spray. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, metals, acids, alkalis. Storage: Store away from light preferably in light resistant containers. Keep container tightly closed. Keep container in a cool, well-ventilated area. Store between 5 -15°C..

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Personal Protection	Safety glasses. Lab coat. Personal Protection in Case of a Large Spill: Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Section 9: Physical and Chemical Properties

Appearance	Golden yellow liquid. (Oily liquid.)		
Odor	Characteristic. (Slight.)		
Odor Threshold	Not available		
Melting Point	28.5°C (83.3°F)	pH	Not available
Freezing Point	Not available	Vapor Pressure	Not available.
Boiling Point/Range	Not available.	Vapor Density	Not available.
Decomposition temperature	Not available	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available	Evaporation Rate	Not available
Flash Point	CLOSED CUP: 193°C (379.4	Autoignition temperature	Not available
Flammability	May be combustible at high t	Flammability or Explosive Limits:	
		Lower	Not available
		Upper	Not available
Solubility(ies)	Soluble in diethyl ether. Insoluble in cold water, hot water.		
Other	Not available.		

Section 10: Stability and Reactivity

Reactivity	Not available
Chemical Stability	The product is stable.
Hazardous Polymerization	Hazardous polymerization will not occur.
Conditions to Avoid	Excess heat, light, air, incompatible materials.
Incompatible Materials	Reactive with oxidizing agents, metals, acids, alkalis.
Hazardous Decomposition Products	Not available

Section 11: Toxicological Information
RTECS VH6860000

Acute Toxicity

Acute oral toxicity (LD50): 6060 mg/kg [Mouse]. May cause adverse reproductive effects and birth defects (teratogenic/developmental toxin) based on animal data. May affect genetic material. Acute Potential Health Effects: Skin: May cause skin irritation and dermatitis, and chapped lips. Eyes: May cause eye irritation. Inhalation: May cause irritation of the respiratory tract. Ingestion: May cause irritation of the gastrointestinal tract. Symptoms of GI tract irritation may include nausea, vomiting, diarrhea, constipation, cramps and loss of appetite. May also affect behavior/Central Nervous System (symptoms may include headache, dizziness, drowsiness, fatigue, lack of muscular coordination), liver (symptoms may include jaundice, and elevation of liver enzyme levels), and metabolism. Chronic Potential Health Effects: Symptoms of chronic exposure may be similar to those of acute overexposure. Chronic exposure may also cause adverse reproductive effects, and birth defects and may affect genetic material.

Skin Corrosion/Irritation

Not available

Serious Eye Damage/Irritation

Not available

Respiratory or Skin Sensitization

Not available

Germ Cell Mutagenicity

Not available

Carcinogenicity

Not available

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Reproductive Toxicity

Not available

Routes of Entry

Absorbed through skin. Eye contact.

Symptoms Related to Exposure

Not available

Potential Health Effects

Not available

Target Organ(s)

Not available

Section 12: Ecological Information**Ecotoxicity**

Not available

Persistence and Degradability

Products of Biodegradation: Possibly hazardous short-term degradation products are not likely. However, long-term degradation products may arise. Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Bioaccumulative Potential

Not available

Mobility in Soil

Not available

Other Adverse Effects

Not available

Section 13: Disposal Considerations**Waste Disposal**

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Disposal of Container

Not available

Other Considerations

Not available

Section 14: Transport Information**DOT Classification**

Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information**Regulations**

Not available.

Other

Not available.

Section 16: Other Information

Not available.