

SAFETY DATA SHEET

1. Identification of the substance /mixture and of the company/undertaking

Product Name Vitamin A Palmitate 1.7M (Toc.)

Product Code: 42000025

Recommended Use: Used as a nutrient supplement.

Manufacturer Information:

Company Name Zhejiang Medicine Co., Ltd. Changhai Biological Company
Address: No.58, Changhe Road, Binhai New Area, Shaoxing, Zhejiang, P.R. China
Telephone: +86 575 86023831
Fax: +86 575 86022668
E-mail: zmcteco@xcpharma.com

2. Hazards identification

GHS Classification

Skin sensitization Category 1B

Reproductive toxicity Category 1B

Chronic aquatic toxicity Category 4

2.2 Label element

Hazard Pictograms:



GHS07

GHS08

Signal word: Danger

Hazard statements:

H317 May cause an allergic skin reaction.
H360 May damage fertility or the unborn child.
H413 May cause long lasting harmful effects to aquatic life.

Precautionary statements(Prevention)

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the

workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements(Response)

P302+P352 IF ON SKIN: wash with plenty of soap and water.
P308+313 IF exposed or concerned: Get medical advice/attention.
P333+313 IF SKIN irritation or rash occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.

Precautionary statements(Storage)

P405 Store locked up.

Precautionary statements(Disposal)

P501 Dispose of contents/container to an approved waste disposal plant.

2.3 Other hazards

No information available.

3. Composition/information on ingredients

Chemical Name	CAS No	Concentration (%)
Vitamin A Palmitate	79-81-2	98.0
all-rac- α -Tocopherol	10191-41-0	2.0

Remarks: *The data is based on average.

4. First-aid measures

Description of first aid measures

Inhalation: Remove to fresh air, call a physician if necessary.
Skin contact: Remove contaminated clothes. Wash thoroughly with soap & water. If irritation develops, seek medical attention.
Eye contact: Wash affected eyes for at least 15 minutes under running water with eyelids held open. If irritation develops, seek medical attention.
Ingestion: Rinse mouth and then drink plenty of water. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction. May damage fertility or the unborn child.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Suitable Extinguishing media: Water spray, foam, carbon dioxide (CO₂), dry chemical. Foam.

Unsuitable Extinguishing media: No information available.

Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Advice for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers with flooding quantities of water until well after fire is out. Evacuate personnel to safe areas.

6. Accidental release measures

Personal precautions

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Environment precautions: Prevent further leakage or spillage if safe to do so.
Do not let product enter drains. Discharge into the environment must be avoided.

Methods and material for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7. Handling and storage

Precautions for safe handling - Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation, especially in confined areas. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not eat, drink or smoke when using this product.

Conditions for safe storage - Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

8. Exposure controls/personal protection

Occupational exposure limits

No information available.

Personal protective measures

Respiratory protection: If exposure limits are exceeded or irritation is experienced,

	NIOSH/MSHA approved respiratory protection should be worn.
Hand protection:	Glove material: for example nitrile rubber.
Eye protection:	Safety glasses with side-shields (frame goggles)
Body protection:	Wear suitable protective clothing.

General safety and hygiene measures

Under no circumstances should the product come into contact with the skin of pregnant women or be inhaled by them. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin. Wearing of closed work clothing is required additionally to the stated personal protection equipment. No eating, drinking, smoking or tobacco use at the place of work. Hands and/or face should be washed before breaks and at the end of the shift. Store work clothing separately.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Light yellow solid or yellow oily liquid
Odor:	Not applicable
pH:	Not applicable
Melting point/range:	Vitamin A Palmitate: > 10 °C
Boiling point/range:	Not applicable
Flash point:	Vitamin A Palmitate: 194 °C(1013 hPa)
Evaporation rate:	Not applicable
Flammability (solid/gas):	Not applicable
Vapour pressure:	Not applicable
Vapour density:	Not applicable
Bulk density:	Vitamin A Palmitate: 921.1 kg/m ³ (20 °C) Vitamin A Palmitate: 907.9 kg/m ³ (40 °C)
Solubility:	Vitamin A Palmitate: < 1 mg/L(25 °C)
Partition coefficient: n-octanol/water:	Not applicable
Auto-ignition temperature:	Vitamin A Palmitate: 265 °C(1013 hPa)
Thermal Decomposition:	No data available
Viscosity:	Not applicable.
Kinematic viscosity	Not applicable.
Dynamic viscosity	Not applicable.
Explosive properties	Not applicable.
Oxidizing properties	Not applicable.

10. Stability and Reactivity

10.1 Reactivity: No hazards to be specially mentioned.

- 10.2 Chemical stability:** Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions:** None under normal processing
- 10.4 Conditions to avoid:** Extremes of temperature and direct sunlight.
- 10.5 Incompatible materials:** Strong oxides, strong acids.
- 10.6 Hazardous combustion products:** None under normal use conditions

11. Toxicological information

Information on likely routes of exposure

- Inhalation** No known effect based on information supplied.
- Eye contact** No known effect based on information supplied.
- Skin Contact** No known effect based on information supplied.
- Ingestion** No known effect based on information supplied.

Information on toxicological effects

Acute toxicity

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Vitamin A Palmitate (CAS #: 79-81-2)	= 7910 mg/kg (Rat)	-	-

Skin corrosion/irritation

Non-irritating to the skin

Serious eye damage/eye irritation

No eye irritation.

Sensitization

May cause an allergic skin reaction.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Reproductive toxicity

May damage fertility or the unborn child.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Aspiration hazard

No information available.

12. Ecological information

Ecotoxicity:	No data available
Persistence and degradability:	No data available.
Bioaccumulation potential:	No data available.
Mobility in soil:	No data available.
Results of PBT & vPvB assessment:	No data available.
Other adverse effects:	No data available.

13. Disposal considerations

Dispose of contents/container in accordance with local/regional/national/international regulations.

14. Transport information

Land transport

Not classified as a dangerous good under transport regulations

Sea transport

Not classified as a dangerous good under transport regulations

Air transport

Not classified as a dangerous good under transport regulations

15. Regulation Information

Regulation Information	In according with Regulation (EC) No 1272/2008 and 29 CFR part 1910.1200
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16. Other information

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Vitamin A Palmitate 1.7M (Toc.)
VA-P 1.7M (Toc.)



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