

Material Safety Data Sheet (MSDS)

Product Name: Vitamin A Palmitate 1.7 IU

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

Rawpharma Biz Pvt Ltd
1101- City Centre 2,
Science City Road,
Sola Ahmedabad Gujarat,
India - 380060.

Contact No.: +91 97272 88479

Email: info@rawpharmabiz.com

Website: www.rawpharmabiz.com

1. Identification of the Substance/Preparation and Company

- **Synonyms:** Retinyl Palmitate, Vitamin A Ester
- **Chemical Formula:** C₃₆H₆₀O₂
- **CAS Number:** 79-81-2
- **Use:** Nutritional supplement, pharmaceutical, food fortification

2. Composition / Information on Ingredients

- The product contains **Vitamin A Palmitate** (CAS No. 79-81-2) at a concentration of **1.7 IU**.
- It is a single-ingredient preparation with no added hazardous substances.

3. Hazard Identification

- **Classification:** Non-hazardous under normal use.
- **GHS Classification:** Not classified as hazardous.

- **Potential Health Effects:**
 - **Inhalation:** May cause mild irritation if inhaled in dust form.
 - **Skin Contact:** May cause mild irritation on prolonged contact.
 - **Eye Contact:** May cause mild irritation.
 - **Ingestion:** Non-toxic at recommended doses; overdose may lead to hypervitaminosis A.
-

4. First-Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms persist.
 - **Skin Contact:** Wash with soap and water.
 - **Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present.
 - **Ingestion:** Rinse mouth; do not induce vomiting. Seek medical advice if necessary.
-

5. Fire-Fighting Measures

- **Suitable Extinguishing Media:** Foam, dry chemical, CO₂.
 - **Unsuitable Extinguishing Media:** High-pressure water jet may spread fire.
 - **Special Hazards:** Combustible. May emit CO, CO₂ on burning.
 - **Protective Equipment:** Firefighters should wear self-contained breathing apparatus.
-

6. Accidental Release Measures

- **Personal Precautions:** Avoid dust formation, use personal protective equipment.
 - **Environmental Precautions:** Prevent entry into water bodies and drains.
 - **Methods of Cleaning:** Sweep up carefully and collect in a suitable container. Avoid dust dispersion.
-

7. Handling and Storage

- **Handling:** Avoid dust formation, use with adequate ventilation.

- **Storage:** Store in a cool, dry, well-ventilated place away from oxidizing agents and sunlight. Keep container tightly closed.
-

8. Exposure Controls / Personal Protection

- **Engineering Controls:** Adequate ventilation recommended.
 - **Personal Protective Equipment (PPE):**
 - Gloves and protective clothing to avoid skin contact.
 - Safety goggles for eye protection.
 - Dust mask if handling large quantities.
-

9. Physical and Chemical Properties

- **Appearance:** Yellow to orange crystalline powder or oil
 - **Odor:** Characteristic
 - **Melting Point:** 30–35°C
 - **Boiling Point:** Decomposes before boiling
 - **Solubility:** Soluble in fats, oils, ethanol, and chloroform; practically insoluble in water
 - **Density:** 0.9 g/cm³
-

10. Stability and Reactivity

- **Stability:** Stable under recommended storage conditions.
 - **Incompatibility:** Strong oxidizing agents, acids, and sunlight.
 - **Hazardous Decomposition:** May produce CO, CO₂ when heated to decomposition.
-

11. Toxicological Information

- **Acute Toxicity:** Low toxicity
- **Chronic Effects:** Prolonged high doses may lead to hypervitaminosis A
- **Carcinogenicity:** Not classified as carcinogenic
- **Mutagenicity:** No data available

12. Ecological Information

- **Environmental Fate:** Biodegradable, low toxicity to aquatic organisms in typical use concentrations
- **Bioaccumulation:** Minimal
- **Mobility:** Low in water

13. Disposal Considerations

- Dispose of in accordance with local, regional, and national regulations.
- Avoid release into the environment.
- Incineration in controlled conditions is preferred for large quantities.

14. Transport Information (Detailed)

- **UN Number:** Not regulated
- **UN Proper Shipping Name:** Not applicable
- **Transport Hazard Class(es):** Not classified as hazardous for transport
- **Packing Group:** Not applicable
- **Environmental Hazards:** None identified
- **Special Precautions for User:**
 - Ensure containers are tightly closed and protected from heat, moisture, and sunlight.
 - Avoid mechanical shocks or rough handling that could damage packaging.
 - Transport in dry, ventilated vehicles; avoid transport with strong oxidizers.
- **ADR/RID (Road/Rail):** Not restricted
- **IMDG (Sea):** Not restricted
- **IATA/ICAO (Air):** Not restricted
- **Additional Notes:** While not classified as hazardous, Vitamin A Palmitate is sensitive to light and heat. Ensure minimal exposure to maintain product integrity during transport.

15. Regulatory Information

- Complies with **Food, Drug & Cosmetic regulations**.
- Not classified under GHS hazard categories.
- Complies with **Codex Alimentarius** for food fortification.

16. Other Information

- This MSDS is provided for guidance in safe handling, storage, and transport of Vitamin A Palmitate.
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.