

MATERIAL SAFETY DATA SHEET

A PALM 1.7

Vitamin A Palmitate 1.7 MIU Oil

* SECTION 1 《Product and Company Identification》

Product name: Vitamin A Palmitate 1, 700 oil

Synonyms: Retinol Palmitate

Company Identification: Xiamen LN Industrial & Trade Co., Ltd.,

Hexiang Road 23-5

Xiamen 361004

P. R. China

Tel.: +86-592-5858339

Fax: +86-592-5858880

* SECTION 2 《Composition/information on ingredients》

Components : Vitamin A Palmitate, Sunflower Oil

CAS-No.: 79-81-2

Molecular Formula: $C_{36}H_{60}O_2$

* SECTION 3 《Hazards identification》

Appearance: Light yellow Liquid

Most important hazards : no particular hazards known

* SECTION 4 《First-aid Measures》

After inhalation: Exposure to fresh air

After skin contact ; Wash off with water

After eye contact : rinse out with water

After swallowing (large amounts) Get medical aid if not feeling good.

* SECTION 5 《Fire-Fighting Measures 》

General Information: Substance is noncombustible

Suitable extinguishing media : Dry powder, foam, spray water, CO₂

Protection of fire-fighters precipitate gases/vapors/mists with water spray

* SECTION 6 《Accidental Release Measures 》

Methods for cleaning: Collect solids (avoid dust formation) and hand over to waste removal

* SECTION 7 《Handling and Storage 》

Handling : Wash thoroughly after handling . Avoid dust formation and accumulation.

Take precautionary measures against electrostatic charging

Use with adequate ventilation

Storage : Store in a cool ,dry place. Keep container tightly closed

*** SECTION 8 《Personal Protection 》**

Respiratory protection: Respiratory protection not necessary during normal operations
For emergencies, or instances where the exposure levels are not known, use an air-supplied respirator.

Hand protection: Protective gloves

Eye protection: Safety glasses

*** SECTION 9 《Physical and Chemical Properties 》**

Appearance: Light yellow Liquid

Odor: little

*** SECTION 10 《Stability and Reactivity》**

Stability stable under the conditions mentioned in section 7

Conditions to avoid: Air, warming, light, humidity.

Materials to avoid: Atmospheric oxygen, oxidizing agents, strong acids, strong bases, reducing agents, metal salts, compounds rich in oxygen

Note: auto-oxidation in the presence of atmospheric oxygen.

*** SECTION 11 《Toxicological Information 》**

Acute toxicity: LD50 > 6,000 mg/kg (oral, rat)

LD50 > 4,000 mg/kg (oral, mouse)

Mutagenicity : not mutagenic (various in vivo and in vitro test systems)

Carcinogenicity : not carcinogenic (several species)

Reproduction toxicity: not teratogenic, not embryotoxic (several species) *1

Note : no toxic effects have been observed during occupational handling

*** SECTION 12 《Ecological Information》**

Environmental Fate: No information found.

Environmental Toxicity: No information found.

*** SECTION 13 《Disposal Considerations》**

Waste from residues: observe local/national regulations regarding waste disposal
incinerate in qualified installation with flue gas scrubbing

*** SECTION 14 《Transport Information》**

Note: not subject to transport regulations

*** SECTION 15 《Regulatory Information 》**

Note : no labeling necessary for dangerous goods