



# Shandong Tianyin Biotechnology Co., Ltd.

ADD: No.7,Sanying Road, Technology Industrial Zone, Zibo, Shandong, China

## MATERIAL SAFETY DATA SHEET

### SECTION 1 - IDENTIFICATION OF THE SUBSTANCE

Product Name:Apo-ester 10%

Catalog Numbers: Feed Additive

Synonyms:None

Supplier Name: Shandong Tianyin Biotechnology Co.,Ltd

Tel:86-533-2341604

### SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS No. :1109-11-1

Specification:10%

Hazard Symbols: None

Risk Phrases: None

### SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview: It belongs to feed additives, and has no harm to human and animals.

Potential Health Effects and Symptoms: None

Eye: May cause minimal irritation

Skin: Neither irritation nor sensitization is expected.

Inhalation: Safety

Chronic Effects: Safety

### SECTION 4 - FIRST AID MEASURES

Eyes:Immediately flush with lukewarm and gentle flowing water

Skin:Wash with water and soap or mild detergent

Ingestion:Move victim to fresh air

Inhalation:Rinse mouth

Notes to Physician:None

### SECTION 5 - FIRE FIGHTING MEASURES

Extinguishing Media:CO<sub>2</sub>, water, foam or dry chemicals

Unsuitable Extinguishing Media: None

Special Fire Fighting Procedures: None

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

Environmental Precautions:Do not release to surface water or ground water

Method for cleaning up:Wipe off with wet cloth or paper

### SECTION 7 - HANDLING AND STORAGE

Handling:For animals feed.Use with adequate ventilation

Storage:Dry and avoided sunlight and high temperature

### SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Guidelines: Not established for this pigment.

Engineering Controls: Use adequate ventilation

Personal Protective Equipment(s): Not required

Respiratory protection: Not required

Eye/Face Protection: Not required

Skin Protection: Not required

#### **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Physical State: Brown reddish granular

Color: Brown reddish

Odor: Special feed additives smell

Viscosity: Not available

Vapor Pressure: Not available

Freezing/Melting Point: Not available

Boiling Point: Not available

Auto-ignition Temperature: Not available

Explosion Limits, upper: Not available

Explosion Limits, lower: Not available

Solubility in water: Not available

Decomposition Temperature: Not available

Molecular Formula: C<sub>32</sub>H<sub>44</sub>O<sub>2</sub>

Specific Gravity/Density: Not available

Molecular Weight: 460.70

#### **SECTION 10 - STABILITY AND REACTIVITY**

Chemical Stability: Steady

Conditions to Avoid: Humidity and high temperature

#### **SECTION 11 - TOXICOLOGICAL INFORMATION**

Acute Toxicity: LD<sub>50</sub> > 4000 mg/kg (mouse)

Accurate dermal toxicity: LD<sub>50</sub> > 3000 mg/kg (guinea pig) (mouse)

Inhalation: Not available

Ingestion: Not available

Eye: Minimal irritant

Skin: Non-irritant

Others: Not available

#### **SECTION 12 - ECOLOGICAL INFORMATION**

Mobility: Not available

Persistence/Degradability: Not available

Bioaccumulation: Not available

Ecotoxicity: Not available

Other Adverse Effects: Not available

#### **SECTION 13 - DISPOSAL CONSIDERATIONS**

Method of Disposal: Disposal should be subject to federal, state and local laws.

#### **SECTION 14 - TRANSPORT INFORMATION**

UN #: None

UN Shipping Name: None

UN Classification: None

Special Precautions: None

UN Packing Group: None

Marine Pollutant: No

Special Precaution: None

Reported By: None

#### **SECTION 15 - REGULATORY INFORMATION**

None

**SECTION 16 - OTHER INFORMATION**

None

Company Name: Shandong Tianyin Biotechnology Co., Ltd.

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