

山东天音生物科技有限公司

Shandong Tianyin Biotechnology Co.,Ltd.

ADD: Sanying road Technology Industrial Zone Zibo Shandong, China

Tel: 0086-533-2341606 Fax: 0086-533-2341605

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE

Product Name: ZEAXANTHIN;MARIGOLD FLOWER EXTRACT

CAS Number: 144-68-3

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

Zeaxanthin content: 5%-70%

Ingredients: Marigold Oleoresin 26%,Dextrine 60%

Hazard Symbols: None

Risk Phrases: None

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview: It belongs to food 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

In case of skin contact, flush with soap and water. In case of eyes contact, flush with flowing water.

If swallowed, get medical aid.

Notes to Physician: None

SECTION 5 - FIRE FIGHTING MEASURES

In case of fire, pls use sandy soil, chemical foam or carbon dioxide.

Unsuitable Extinguishing Media: None

Special Fire Fighting Procedures: None

SECTION 6 - ACCIDENTAL RELEASE MEASURES

In case of accidental release, pls mix with inert material (eg. dry sand) and transfer to sealed container for disposal.

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SECTION 7 - HANDLING AND STORAGE

Store in a cool, well-ventilated area. Keep away from ignition sources, heat and flame. Store in cool and dry condition.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Guidelines: Not established for this pigment.

Engineering Controls: Use adequate ventilation

Personal Protective Equipment(s):

Respiratory protection: Not required

Eye/Face Protection: Not required

Skin Protection: Not required

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: powder

Color: yellowish--orange

Odor: characteristic flavor of Marigold Flower

Viscosity: Not available

Vapor Pressure: Not available

Freezing/Melting Point: Not available

Boiling Point: Not available

Autoignition Temperature: Notavailable

Explosion Limits, upper: Not available

Explosion Limits, lower: Not available

Solubility in water: Not available

Decomposition Temperature: Notavailable

Molecular Formula: $C_{40}H_{56}O_2$

Specific Gravity/Density: Not available

Molecular Weight: 568.88

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Steady

Conditions to Avoid: Humidity and high temperature

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity: No poison

Inhalation: Not available

Ingestion: Not available

Eye: Minimal irritant

Skin: Non-irritant

Others: Not available

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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

Not regulated by IMO

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

It is valid from Jan 1, 2019, need to update all information by 5 years period.

Company Name: Shandong Tianyin Biotechnology Co., Ltd.