

MATERIAL SAFETY DATA SHEET

1. Product and Company name :

PRODUCT NAME: Canthaxanthin 10%

Supplier Name: Shandong Tianyin Biotechnology Co.,Ltd

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

2. Composition / Information on Ingredients :

CAS No.:514-78-3

Specification:10%

Hazard Symbols: None

Risk Phrases: None

3. Hazards Identification :

When involved in a fire or exposed to high temperature for an extended period of time, organic pigments may smolder or burn evolving noxious fumes which can include oxides of nitrogen and carbon or other toxic compounds.

4. First Aid Measures :

Eye contact: Flush eyes thoroughly with large amounts of water for at least fifteen minutes. Get medical attention.

Skin contact: Wash skin with soap and water. Remove severely contaminated clothing and clean before reuse. Seek medical attention in the unlikely event that irritation occurs.

Inhalation: Remove to fresh air. Get medical attention if breathing is difficult.

Ingestion: Do not give anything by mouth to an unconscious person. Do not induce vomiting. Get immediate medical attention.

5. Fire Fighting Measures :

Extinguishing Media

Carbon dioxide, dry chemical or foam recommended. Apply water spray to cool exposed closed containers.

Special Fire-Fighting Procedures

Self-contained breathing apparatus(SCBA) and full protective equipment recommended.

6. Accidental Release Measures :

Small Spill

Wipe-up or shovel spilled material. Place product into an appropriate container for disposal.

Large spill

Contain spilled material immediately. Use a shovel to transfer product into appropriate containers for disposal.

7. Handling and Storage:

Handling: Avoid employee exposure through the use of appropriate engineering controls and good industrial hygiene practices.

Storage: Store in a moderately cool, dry and well-ventilated area away from direct sources of heat. Empty containers may contain product residues and should be handled in appropriate position so that any labelling information is visible.

8. Exposure Controls / Personal Protection:

Engineering Controls: The use of local exhaust ventilation is recommended.

Personal Protective Equipment: Safety glasses are recommended. Impervious clothing should be worn when gross contact is likely, such as when cleaning up spills of large amounts.

9. Physical and Chemical Properties:

Appearance: Free-flowing red-brown granule

Odour: Special flavour

Assay(Canthaxanthin): $\geq 10\%$

Loss on drying: $\leq 8\%$

Particle Size: 100% through sieve No.20(US)

10. Stability and Spontaneous Activity:

Hazardous decomposition products: When involved in a fire, burning organic pigments may evolve noxious gases which are toxic, these compounds may include carbon monoxide, carbon dioxide, nitrous oxides or hydrogen chloride, depending on the pigment type.

11. Toxicological Information:

Based upon industry-wide experience over many years of manufacturing and published toxicological studies, organic pigments in general are considered to be practically non-toxic. This low order of toxicity is probably due to the fact that pigments are somewhat inert and insoluble substances.

12. Ecology Information :

This product is believed not to be dangerous to the environment with respect to mobility, persistency and degradability, bioaccumulative potential, aquatic toxicity and other data relating to ecotoxicity.

13. Disposal Considerations :

No special disposal method required except that it be in accordance with current local authority regulations.

14. Regulatory Information :

Osha hazard communication standard status

This product is not considered to be a hazardous substance under OSHA's federal hazard communication standard 29 CFR 1910.1200

15. Other Information :

Additional references can be taken from the label or product description. The information given here is correct to the best of our knowledge at the time of writing this sheet. No responsibility can be taken for improper use or handling of the prod