

## SHANDONG TIANYIN BIOTECHNOLOGY CO., LTD

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### TO WHOM SOEVER IT MAY CONCERN

### MATERIAL SAFETY DATA SHEET

We have given below Material Safety Data Sheet for Marigold Flower Extract as the following information:

1. **Product Name:** Marigold Flower Extract (Lutein ester beads cws)

2. **CAS No. :**547-17-1

3. **Composition/ Information on Ingredients:**

Lutein ester content: 5-10%

4. **Hazards Identification:**

None

5. **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.

6. **Fire Fighting Measures:**

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

7. **Accidental Release Measures**

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

8. **Handling and Storage:**

Store in a cool, well-ventilated area. Keep away from ignition

sources, heat and flame. Store in a tightly closed container.

**9. Exposure Controls/ Personal Protection:**

Wear appropriate protective clothing and safety gloves.

**10. Physical and Chemical Properties:**

Yellowish oleoresin with characteristic flavor of Marigold Flower

**11. Stability and Reactivity:**

The substance is stable and none reactivity under cool and dry conditions.

**12. Toxicological Information:**

The substance does not belong to toxic substances

**13. Ecological Information:**

The substance does not have hazards on ecological environment.

**14. Disposal Considerations:**

No pollution while disposal.

**15. Transport Information:**

This substance can be transported by all modes of transports.

**16. Regulatory Information:**

Accordance with Regulations on Food Additives

**17. Other Information:**

None.