



MATERIAL SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 Version 1.0

Revision Date 30.08.2023

Print Date 25.09.2023

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Product name: Tocotrienols

Recommended use: Used as food additives and antioxidants.

2. HAZARDS IDENTIFICATION

This substance is not classified as dangerous according to Directive 67/548/EEC.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS No.	Name
59-02-9	O-alpha-Tocopherol
16698-35-4	D-beta-Tocopherol
54-28-4	D-gamma-Tocopherol
119-13-1	D-delta-Tocopherol
1721-51-3	O-alpha-tocotrienol
490-23-3	O-beta-tocotrienol
14101-61-2	O-gamma-tocotrienol
25612-59-3	D-delta-tocotrienol

4. FIRST AID MEASURES

INHALATION

Remove from exposure site to fresh air and seek medical attention.

SKIN CONTACT

Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. EYE CONTACT

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

INGESTION

Rinse mouth and then drink plenty of water.

5. FIRE AND EXPLOSION DATA

EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam. FIREFIGHTING



Address: East of Tianmu Road, Laiyang Development Zone, Yantai City, Shandong Province, 265200, China

Protective Equipment: Wear self-contained breathing apparatus and protective clothing Specific Hazard(s): No particular hazards known.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

No special precautions necessary ENVIRONMENT PRECAUTIONS

Do not discharge into drains/surface water/groundwater. METHODS FOR CLEANING UP

Collect and hand over to waste removal.

7. HANDLING AND STORAGE Precautions:

HANDLING

Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.

STORAGE

Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

Safety shower and eye bath. Mechanical exhaust required. PERSONAL PROTECTIVE EQUIPMENT

Respiratory: Wear dust mask Hand: Protective gloves.

Eye: Chemical safety goggles. GENERAL HYGIENE MEASURES

Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Clear oily liquid

Color: Yellow to red-brown

Odor: Mild and characterisite odor

Melting point: <25°C

Boiling point: >200°C

Flash point: >110°C

Explosion limits: Lower not available, Upper not available.

Density (20°C): 0.90~0.96 g/cm³

Solubility in water (20 C): Insoluble

Ether: Freely soluble



Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

10. STABILITY AND REACTIVITY DATA

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, light, dust generation, exposure to air, alkali, excess heat, strong oxidants.

Incompatibilities with Other Materials: Air, oxidizing agents, alkali.

Hazardous Decomposition Products: No information available.

Hazardous Polymerization: Has not been reported.

11. TOXICOLOGICAL INFORMATION

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology: No information found.

Teratogenicity: No information found.

Reproductive Effects: No information found.

Neurotoxicity: No information found.

Mutagenicity: No information found.

Other Studies: See actual entry in RTECS for complete information.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation: Not available.

Toxicity of the Products of Biodegradation: Not available.

Special Remarks on the Products of Biodegradation: Not available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal:

Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

14. TRANSPORT INFORMATION

Not classified as hazardous under transport regulations. Not regulated by IMDG.

15. OTHER REGULATORY INFORMATION

15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture



Address: East of Tianmu Road, Laiyang Development
Zone, Yantai City, Shandong Province, 265200, China

No data available

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

16. Other Information

References: Not available.

Other Special Considerations: Not available.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their purposes.