



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemical Product Name: Mixed Tocotrienols Powder 30

Common Chemical Name:

Product Code (Supplier):

Supplier: Eisai Food & Chemical Co., Ltd.
5th Floor Nihonbashi Sunrise Building
2-13-10 Nihonbashi, Chuo-ku, Tokyo, 103-0027, Japan
Telephone: +81 (3) 3548-3560 Fax: +81 (3) 3273-2084

Emergency Telephone: (Japan) +81 (3) 3548-3560

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Preparation: Preparation

Information on Hazardous Ingredients

Chemical Name	%	CAS Number	EC Number	Symbol	R-phrases
d-Mixed Tocotrienols	30				
Dextrin	45.0	9004-53-9	232-675-4		
Gum Acacia	20.0	9000-01-5	232-519-5		
Sucrose	5.0	57-50-1	200-334-9		

3. HAZARD IDENTIFICATION

Class Name of Hazardous Chemicals for SDS in Japan: Not applicable

Physical/Chemical Hazards: Not applicable

Environmental Hazards: Not applicable

Human Health Hazards: Not applicable



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4. FIRST AID MEASURES

Effects and Symptoms

Eye Contact:	It may cause slight irritation.
Skin Contact:	In rare cases it may cause irritation on prolonged or repeated exposure.
Ingestion:	Considered to be non-toxic.
Inhalation:	Not available
Route unspecified:	

First Aid Measures

Eye Contact:	Flush eyes with flowing water for at least 15 minutes. Seek medical attention.
Skin Contact:	Wash skin with soap and water. Seek medical attention if irritation develops.
Ingestion:	Wash out mouth with water. If swallowed in large quantities, induce vomiting and seek medical attention.
Inhalation:	Seek medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media

Suitable:	Dry chemical, carbon dioxide or foam as appropriate for surrounding fire and materials.
Not Suitable:	
Special Fire Fighting Procedures:	Move containers from the area of the fire if it can be done without risk. During a fire, toxic gases (carbon dioxide) may be generated by thermal decomposition or combustion.
Unusual Fire/Explosion Hazards:	As with most powdered organic compounds, dust explosions are possible. This material is assumed to be combustible. When heated to decomposition the material may emit toxic fumes.
Hazardous Thermal: (de)composition Products	CO ₂
Protection of Fire Fighters:	Fire fighters should use self-contained breathing equipment and protective clothing.



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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear proper protective equipment. Avoid contact with skin or eyes.

Environmental Precautions: Prevent spills from entering sewers or watercourses.

Methods of Cleaning Up: Carefully sweep up spill without generating dust and place in a chemical container using non-sparking tools.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes and skin.

Storage: Keep containers tightly closed and store in a cool, dry, well-ventilated location.

Packaging Materials

Suitable:

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures:

Hygienic Measures:

Occupational Exposure Limits

Chemical Name:

TLV/STEL (USA):

MAK (Germany):

Personal Protective Equipment

Respiratory System: Respiratory protection should be recommended

Skin and Body: Wear appropriate clothing

Hands: Wear gloves

Eyes: Wear safety goggles or protective glasses with side shields



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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid (free-flowing powder)

Colour: White to pale yellow

Odour: Slight characteristic odour

Boiling Point:

pH:

Solubility in Water: Slightly miscible

Vapour Density (Air=1):

Flash point:

Autoignition Temperature:

Lower Explosion Limit:

Upper Explosion Limit:

10. STABILITY AND REACTIVITY

Stability: Under usual conditions of use the product is stable

Conditions to avoid:

Materials to avoid:

Hazardous Decomposition Products:



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11. TOXICOLOGICAL INFORMATION

Comment: It is considered to be non toxic.

Chemical Name:

Acute Toxicity

Oral:

Dermal:

Inhalation:

Unspecified:

Skin Irritation: In rare cases it may cause irritation on prolonged or repeated exposure.

Eye Irritation: It may cause irritation on prolonged or repeated exposure.

Sensitisation: Not available

Chronic Toxicity:

Carcinogenicity:

12. ECOLOGICAL INFORMATION

Comment:

Chemical Name:

Ecotoxicity:

13. DISPOSAL CONSIDERATIONS

Methods of Disposal: Incineration in accordance with local regulations.



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14. TRANSPORT INFORMATION

UN Number: Not applicable

Land Road/Railway

ADR/RID Class:

ADR/RID Item Number:

Inland Waterways

ADNR Class:

Sea

IMDG Class: Not applicable

IMDG Page Number:

Air

IATA-DGR Class:

National Transport Regulations: Follow all regulations in your country.

15. REGULATORY INFORMATION

Regulatory information differs between countries. Eisai Food & Chemical Co., Ltd. requests that you complete the following section with the information relevant for your country/region.

EC Regulations:

EC Classification:

Label Name:

Hazard Symbols:

Risk Phrases

R:

R:

Safety Phrases

S:

S:

National regulations



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16. OTHER INFORMATION

HISTORY

Date of first issue: 6th June, 2003 (Japanese version)
Date of previous SDS: 27th July, 2004 (English version)
Date of Issue: 2nd August, 2004 (English version)
Version: MSDS/EEC/TOC30P/0408
SDS Prepared by: Toyoh Banno



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